

★

August 16, 1978

Mr. Frank L. Huband
Assistant to the General Counsel
National Science Foundation
Washington, D. C. 20550

Dear Mr. Huband:

Re: Institutional Patent Agreement
University of Wisconsin - National
Science Foundation

Attached you will find the various sheets which were supplied through Miss Lucy Pettit on the inventions to which title resides in the University of Wisconsin-Wisconsin Alumni Research Foundation under the provisions of the Institutional Patent Agreement or based upon specific waivers. These sheets in combination will comprise the annual report from WARF as required under the terms of the Institutional Patent Agreement.

In earlier reports we have made to the National Science Foundation we have voluntarily inserted an approximation of the expense which WARF has encountered in carrying out the patenting and licensing process and it might be advisable to provide on your prepared forms a place for the insertion of such expense. I might add that in listing the dollar values in earlier reports only the out-of-pocket expenses were generally included.

It appears that the primary thrust of the new forms focuses on the income aspects from licensing the invention whereas it would be more appropriate to focus on the benefit which the public derives from the invention. Moreover, the single sheet forms do not, in our opinion, provide as ready a summary position as the type of compilation which we have provided earlier as an annual report.

Mr. Frank L. Huband

- 2 -

August 16, 1978

The foregoing comments are made responsive to the request for our views on the new reporting format.

Very truly yours,

UNIVERSITY OF WISCONSIN

By Reuben H. Lorenz, Vice President and Controller

WISCONSIN ALUMNI RESEARCH FOUNDATION

By Howard W. Bremer, Patent Counsel

RHL:HWB:rw
Enc.

bc--Prof. Wm. H. Young
Mr. Kent Hill
Messrs. Pike-Woerpel-Hinkes

STATUS OF NSF-FUNDED INVENTION

NSF File Number: 74-62 Disclosure Date: 3/26/74 Waiver Date:

Grantee Institution: Wisconsin Inventor(s): Anderson et al

Invention Title: Molecular Nitrogen Laser

Individual or Organization seeking licensees for invention:

WARF

U.S. Patent Application filed. Date: 5/20/75 ; S.N.: 579,268

U.S. Patent granted. Date: 2/28/78 ; No.: 4,077,020

Status of patent application if not yet granted: _____

If U.S. patent has been denied or the application has been abandoned, has the invention been disclosed in a publication? _____

If so: Journal title: _____; Date: _____
Anderson, Louis W.

FIRST LICENSEE: Fitzsimmons, William A. ; Date of license: 4/11/78
National Research Group, Inc.

Total license payments to grantee before Oct. 1, 1976: \$ _____

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977 to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____

Has the invention been put into commercial use under this license? yes
If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____; - over Description:

SECOND LICENSEE: _____; Date of license: _____

Total license payments to grantee before Oct. 1, 1976: \$ _____

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977 to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____

Has the invention been put into commercial use under this license? _____
If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____; Description:

Please provide above information for further licenses on the back, and check here: _____. Is invention available to other licensees? _____.
Are you still actively seeking licensees? Yes x No _____

FOREIGN PATENT STATUS

Country of filing Filing date Filing No. Date Granted Patent No.

STATUS OF NSF-FUNDED INVENTION

NSF File Number: 76-142 Disclosure Date: 5/18/76 Waiver Date:

Grantee Institution: Wisconsin Inventor(s): Blaedel and Jenkins

Invention Title: A Reagentless Lactate Electrode

Individual or Organization seeking licensees for invention:

WARF

U.S. Patent Application filed. Date: 12/13/76; S.N.: 752,421.

U.S. Patent granted. Date: _____; No.: _____.

Status of patent application if not yet granted: Under Final Rejection; interview with Examiner to be held in Aug. If U.S. patent has been denied or the application has been abandoned, has the invention been disclosed in a publication? _____.

If so: Journal title: _____; Date: _____.

FIRST LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977 to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____. If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____; Description: _____.

SECOND LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977 to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____. If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____; Description: _____.

Please provide above information for further licenses on the back, and check here: _____. Is invention available to other licensees? _____. Are you still actively seeking licensees? Yes _____ No _____.

FOREIGN PATENT STATUS

Country of filing	Filing date	Filing No.	Date Granted	Patent No.
Germany	12/27/76	P2659071.6		

STATUS OF NSF-FUNDED INVENTION

NSF File Number: 78-55 Disclosure Date: 3/17/78 Waiver Date:

Grantee Institution: Wisconsin Inventor(s): Brill

Invention Title: Rhizobium Japonicum Mutant Strains SM31 and SM35
with Increased Ability to Fix Nitrogen for Soybean
Individual or Organization seeking licensees for invention:

WARF

- U.S. Patent Application filed. Date: _____; S.N.: _____.
- A patent application was not filed. (see back of this page)
- U.S. Patent granted. Date: _____; No.: _____.

Status of patent application if not yet granted: _____.
If U.S. patent has been denied or the application has been abandoned, has the invention been disclosed in a publication? yes.

Abstract - March 1977 (Annual Mtg. Am. Soc. for Microbiology)
If so: Journal title: ology Crop Science, V. 16,; Date: July-Aug, 1976
pp. 519-522

FIRST LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977 to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.
If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____;
Description:

SECOND LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977 to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.
If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____;
Description:

Please provide above information for further licenses on the back, and check here: _____. Is invention available to other licensees? _____.
Are you still actively seeking licensees? Yes _____ No _____.

FOREIGN PATENT STATUS

Country of filing	Filing date	Filing No.	Date Granted	Patent No.
-------------------	-------------	------------	--------------	------------

STATUS OF NSF-FUNDED INVENTION

NSF File Number: _____ Disclosure Date: 12/22/76 Waiver Date: _____

Grantee Institution: Wisconsin Inventor(s): David Wells

Invention Title: Digital Data Enciphering and Deciphering Circuit and Method

Individual or Organization seeking licensees for invention: _____

WARF

U.S. Patent Application filed. Date: 10/3/77 ; S.N.: 839,034 .

U.S. Patent granted. Date: _____ ; No.: _____ .

Status of patent application if not yet granted: Awaiting 1st Office Action
If U.S. patent has been denied or the application has been abandoned, has the invention been disclosed in a publication? _____ .

If so: Journal title: _____ ; Date: _____ .

FIRST LICENSEE: _____ ; Date of license: _____ .

Total license payments to grantee before Oct. 1, 1976: \$ _____ .

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____ ; Oct. 1, 1977 to Sep. 30, 1978: \$ _____ ; Oct. 1, 1978 to Sep. 30, 1979: \$ _____ .

Has the invention been put into commercial use under this license? _____ .
If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____ ;
Description: _____

SECOND LICENSEE: _____ ; Date of license: _____ .

Total license payments to grantee before Oct. 1, 1976: \$ _____ .

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____ ; Oct. 1, 1977 to Sep. 30, 1978: \$ _____ ; Oct. 1, 1978 to Sep. 30, 1979: \$ _____ .

Has the invention been put into commercial use under this license? _____ .
If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____ ;
Description: _____

Please provide above information for further licenses on the back, and check here: _____. Is invention available to other licensees? _____.
Are you still actively seeking licensees? Yes _____ No _____ .

FOREIGN PATENT STATUS

Country of filing Filing date Filing No. Date Granted Patent No.

STATUS OF NSF-FUNDED INVENTION

NSF File Number: 74-52 Disclosure Date: 2/22/74 Waiver Date:

Grantee Institution: Wisconsin Inventor(s): Mayhugh & Fullerton

Invention Title: Sensitized Thermoluminescent Phosphor & Method

Individual or Organization seeking licensees for invention:

WARF

U.S. Patent Application filed. Date: 11/13/74; S.N.: 523,322.

U.S. Patent granted. Date: 6/8/76; No.: 3,962,586.

Status of patent application if not yet granted: _____.

If U.S. patent has been denied or the application has been abandoned, has the invention been disclosed in a publication? _____.

If so: Journal title: _____; Date: _____.

FIRST LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977 to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.

If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____;

Description:

SECOND LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977 to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.

If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____;

Description:

Please provide above information for further licenses on the back, and check here: _____. Is invention available to other licensees? _____.

Are you still actively seeking licensees? Yes No _____.

FOREIGN PATENT STATUS

Country of filing Filing date Filing No. Date Granted Patent No.

STATUS OF NSF-FUNDED INVENTION

NSF File Number: 78-22 Disclosure Date: 1/3/78 Waiver Date:

Grantee Institution: Wisconsin Inventor(s): Mistretta

Invention Title: Time Dependent Subtraction Imaging - Mask Mode

Individual or Organization seeking licensees for invention:

WARF

U.S. Patent Application filed. Date: 5/16/78; S.N.: 906,686.

U.S. Patent granted. Date: _____; No.: _____.

Status of patent application if not yet granted: Awaiting 1st Office Action
If U.S. patent has been denied or the application has been abandoned, has the invention been disclosed in a publication? _____.

If so: Journal title: _____; Date: _____.

FIRST LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977 to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.
If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____;
Description:

SECOND LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977 to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.
If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____;
Description:

Please provide above information for further licenses on the back, and check here: _____. Is invention available to other licensees? _____.
Are you still actively seeking licensees? Yes x No _____.

FOREIGN PATENT STATUS

Country of filing Filing date Filing No. Date Granted Patent No.

NOTE: This is a duplicate of your NSF File
No. 78-22

OMB NO. 99-R0308
APPROVAL EXPIRES:
April 30, 1981

STATUS OF NSF-FUNDED INVENTION

1/3/78

NSF File Number: ~~78-59~~ Disclosure Date: 5/24/78 Waiver Date:

Grantee Institution: Wisconsin Inventor(s): Mistretta et al

Invention Title: Time Dependent Subtraction Imaging-Mask Mode

Individual or Organization seeking licensees for invention:

WARF

U.S. Patent Application filed. Date: 5/16/78 ; S.N.: 906,686 .

U.S. Patent granted. Date: _____ ; No.: _____ .

Status of patent application if not yet granted: Awaiting 1st Office Action
If U.S. patent has been denied or the application has been abandoned, has
the invention been disclosed in a publication? _____ .

If so: Journal title: _____ ; Date: _____ .

FIRST LICENSEE: _____ ; Date of license: _____ .

Total license payments to grantee before Oct. 1, 1976: \$ _____ .

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____ ; Oct. 1, 1977
to Sep. 30, 1978: \$ _____ ; Oct. 1, 1978 to Sep. 30, 1979: \$ _____ .

Has the invention been put into commercial use under this license? _____ .
If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____ ;
Description:

SECOND LICENSEE: _____ ; Date of license: _____ .

Total license payments to grantee before Oct. 1, 1976: \$ _____ .

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____ ; Oct. 1, 1977
to Sep. 30, 1978: \$ _____ ; Oct. 1, 1978 to Sep. 30, 1979: \$ _____ .

Has the invention been put into commercial use under this license? _____ .
If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____ ;
Description:

Please provide above information for further licenses on the back, and
check here: _____. Is invention available to other licensees? _____.
Are you still actively seeking licensees? Yes x No _____ .

FOREIGN PATENT STATUS

Country of filing Filing date Filing No. Date Granted Patent No.

STATUS OF NSF-FUNDED INVENTION

NSF File Number: 78-30 Disclosure Date: 1/3/78 Waiver Date:

Grantee Institution: Wisconsin Inventor(s): Mistretta

Invention Title: Tomographic Time Interval Differencing

Individual or Organization seeking licensees for invention:
WARF

- U.S. Patent Application filed. Date: _____; S.N.: _____.
No patent application has been filed to date.
 U.S. Patent granted. Date: _____; No.: _____.

Status of patent application if not yet granted: _____.
If U.S. patent has been denied or the application has been abandoned, has
the invention been disclosed in a publication? _____.

If so: Journal title: _____; Date: _____.

FIRST LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977
to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.
If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____;
Description:

SECOND LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977
to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.
If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____;
Description:

Please provide above information for further licenses on the back, and
check here: _____. Is invention available to other licensees? _____.
Are you still actively seeking licensees? Yes _____ No _____.

FOREIGN PATENT STATUS

Country of filing Filing date Filing No. Date Granted Patent No.

STATUS OF NSF-FUNDED INVENTION

NSF File Number: 78-29 Disclosure Date: 1/3/78 Waiver Date:

Grantee Institution: Wisconsin Inventor(s): Mistretta-Kruger-Houk

Invention Title: Time Interval Differencing-without Contrast Agent

Individual or Organization seeking licensees for invention:

WARF

U.S. Patent Application filed. Date: 5/16/78 ; S.N.: 906,631 .

U.S. Patent granted. Date: _____ ; No.: _____ .

Status of patent application if not yet granted: Awaiting 1st Office Action
If U.S. patent has been denied or the application has been abandoned, has
the invention been disclosed in a publication? _____ .

If so: Journal title: _____ ; Date: _____ .

FIRST LICENSEE: _____ ; Date of license: _____ .

Total license payments to grantee before Oct. 1, 1976: \$ _____ .

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____ ; Oct. 1, 1977
to Sep. 30, 1978: \$ _____ ; Oct. 1, 1978 to Sep. 30, 1979: \$ _____ .

Has the invention been put into commercial use under this license? _____ .
If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____ ;
Description:

SECOND LICENSEE: _____ ; Date of license: _____ .

Total license payments to grantee before Oct. 1, 1976: \$ _____ .

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____ ; Oct. 1, 1977
to Sep. 30, 1978: \$ _____ ; Oct. 1, 1978 to Sep. 30, 1979: \$ _____ .

Has the invention been put into commercial use under this license? _____ .
If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____ ;
Description:

Please provide above information for further licenses on the back, and
check here: _____. Is invention available to other licensees? _____.
Are you still actively seeking licensees? Yes x No _____ .

FOREIGN PATENT STATUS

Country of filing Filing date Filing No. Date Granted Patent No.

STATUS OF NSF-FUNDED INVENTION

NSF File Number: _____ Disclosure Date: 8/4/78 Waiver Date: _____

Grantee Institution: Wisconsin Inventor(s): Reich-Chow

Invention Title: Benzeneseleninic Acids as Catalysts for Hydrogen Peroxide Oxidation

Individual or Organization seeking licensees for invention: _____

WARF

U.S. Patent Application filed. Date: _____; S.N.: _____
No patent application has been filed to date.

U.S. Patent granted. Date: _____; No.: _____

Status of patent application if not yet granted: _____

If U.S. patent has been denied or the application has been abandoned, has the invention been disclosed in a publication? _____

If so: Journal title: _____; Date: _____

FIRST LICENSEE: _____; Date of license: _____

Total license payments to grantee before Oct. 1, 1976: \$ _____

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977 to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____

Has the invention been put into commercial use under this license? _____

If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____;

Description: _____

SECOND LICENSEE: _____; Date of license: _____

Total license payments to grantee before Oct. 1, 1976: \$ _____

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977 to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____

Has the invention been put into commercial use under this license? _____

If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____;

Description: _____

Please provide above information for further licenses on the back, and check here: _____. Is invention available to other licensees? _____

Are you still actively seeking licensees? Yes _____ No _____

FOREIGN PATENT STATUS

Country of filing Filing date Filing No. Date Granted Patent No.

NSF File Number: _____ Disclosure Date: 8/4/78 Waiver Date: _____

Grantee Institution: Wisconsin Inventor(s): Scott

Invention Title: Fluxon Oscillators

Individual or Organization seeking licensees for invention:

WARF

U.S. Patent Application filed. Date: 7/12/78 ; S.N.: 923,955 .

U.S. Patent granted. Date: _____ ; No.: _____ .

Status of patent application if not yet granted: Awaiting 1st Office Action
If U.S. patent has been denied or the application has been abandoned, has the invention been disclosed in a publication? _____ .

If so: Journal title: _____ ; Date: _____ .

FIRST LICENSEE: _____ ; Date of license: _____ .

Total license payments to grantee before Oct. 1, 1976: \$ _____ .

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____ ; Oct. 1, 1977 to Sep. 30, 1978: \$ _____ ; Oct. 1, 1978 to Sep. 30, 1979: \$ _____ .

Has the invention been put into commercial use under this license? _____ .
If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____ ;
Description: _____

SECOND LICENSEE: _____ ; Date of license: _____ .

Total license payments to grantee before Oct. 1, 1976: \$ _____ .

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____ ; Oct. 1, 1977 to Sep. 30, 1978: \$ _____ ; Oct. 1, 1978 to Sep. 30, 1979: \$ _____ .

Has the invention been put into commercial use under this license? _____ .
If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____ ;
Description: _____

Please provide above information for further licenses on the back, and check here: _____. Is invention available to other licensees? _____.
Are you still actively seeking licensees? Yes x No _____ .

FOREIGN PATENT STATUS

Country of filing Filing date Filing No. Date Granted Patent No.

STATUS OF NSF-FUNDED INVENTION

NSF File Number: 75-99 Disclosure Date: 2/13/75 Waiver Date:

Grantee Institution: Wisconsin Inventor(s): Skoog-Schmitz-Hecht-Frye

Invention Title: Cytokinin Antagonists & Method of Production & Use

Individual or Organization seeking licensees for invention:

WARF

U.S. Patent Application filed. Date: 4/24/74; S.N.: 463,739 .

U.S. Patent granted. Date: 10/26/76; No.: 3,988,338 .

Status of patent application if not yet granted: _____ .

If U.S. patent has been denied or the application has been abandoned, has the invention been disclosed in a publication? _____ .

If so: Journal title: _____; Date: _____ .

FIRST LICENSEE: Burroughs-Wellcome ; Date of license: 4/1/76 .

Total license payments to grantee before Oct. 1, 1976: \$1,000 .

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ -- ; Oct. 1, 1977 to Sep. 30, 1978: \$ -- ; Oct. 1, 1978 to Sep. 30, 1979: \$ -- .

Has the invention been put into commercial use under this license? no .

If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____ ;

Description:

SECOND LICENSEE: _____; Date of license: _____ .

Total license payments to grantee before Oct. 1, 1976: \$ _____ .

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977 to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____ .

Has the invention been put into commercial use under this license? _____ .

If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____ ;

Description:

Please provide above information for further licenses on the back, and check here: _____. Is invention available to other licensees? yes .

Are you still actively seeking licensees? Yes X No _____ .

FOREIGN PATENT STATUS

Country of filing Filing date Filing No. Date Granted Patent No.

STATUS OF NSF-FUNDED INVENTION

NSF File Number: 75-121 Disclosure Date: 3/18/75 Waiver Date:

Grantee Institution: Wisconsin Inventor(s): Trost & Tamaru

Invention Title: Oxidative Decarboxylation of Carboxylic Acids

Individual or Organization seeking licensees for invention:

WARF

U.S. Patent Application filed. Date: 5/19/75; S.N.: 578,533.

U.S. Patent granted. Date: 2/8/77; No.: 4,007,211.

Status of patent application if not yet granted: _____.
If U.S. patent has been denied or the application has been abandoned, has
the invention been disclosed in a publication? _____.

If so: Journal title: _____; Date: _____.

FIRST LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977
to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.
If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____;
Description:

SECOND LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977
to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.
If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____;
Description:

Please provide above information for further licenses on the back, and
check here: _____. Is invention available to other licensees? _____.
Are you still actively seeking licensees? Yes x No _____.

FOREIGN PATENT STATUS

Country of filing Filing date Filing No. Date Granted Patent No.

STATUS OF NSF-FUNDED INVENTION

NSF File Number: 76-92 Disclosure Date: 2/6/76 Waiver Date:

Grantee Institution: Wisconsin Inventor(s): Trost-Verhoeven

Invention Title: Catalytic Allylic Alkylation

Individual or Organization seeking licensees for invention:

WARF

U.S. Patent Application filed. Date: 1/5/76 ; S.N.: 646,640 .

U.S. Patent granted. Date: 9/27/77 ; No.: 4,051,157 .

Status of patent application if not yet granted: _____
If U.S. patent has been denied or the application has been abandoned, has
the invention been disclosed in a publication? _____

If so: Journal title: _____ ; Date: _____

FIRST LICENSEE: _____ ; Date of license: _____

Total license payments to grantee before Oct. 1, 1976: \$ _____

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____ ; Oct. 1, 1977
to Sep. 30, 1978: \$ _____ ; Oct. 1, 1978 to Sep. 30, 1979: \$ _____

Has the invention been put into commercial use under this license? _____
If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____ ;
Description:

SECOND LICENSEE: _____ ; Date of license: _____

Total license payments to grantee before Oct. 1, 1976: \$ _____

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____ ; Oct. 1, 1977
to Sep. 30, 1978: \$ _____ ; Oct. 1, 1978 to Sep. 30, 1979: \$ _____

Has the invention been put into commercial use under this license? _____
If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____ ;
Description:

Please provide above information for further licenses on the back, and
check here: _____. Is invention available to other licensees? _____.
Are you still actively seeking licensees? Yes x No _____

FOREIGN PATENT STATUS

Country of filing Filing date Filing No. Date Granted Patent No.

STATUS OF NSF-FUNDED INVENTION

NSF File Number: 76-39 Disclosure Date: 9/30/75 Waiver Date:

Grantee Institution: Wisconsin Inventor(s): Walters

Invention Title: Mestastable Argon Stabilized Arc Device

Individual or Organization seeking licensees for invention:

WARF

U.S. Patent Application filed. Date: 9/17/75; S.N.: 614,194.

U.S. Patent granted. Date: 11/29/77; No.: 4,060,708.

Status of patent application if not yet granted: _____.

If U.S. patent has been denied or the application has been abandoned, has the invention been disclosed in a publication? _____.

If so: Journal title: _____; Date: _____.

FIRST LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977 to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.

If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____;

Description:

SECOND LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977 to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.

If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____;

Description:

Please provide above information for further licenses on the back, and check here: _____. Is invention available to other licensees? _____.

Are you still actively seeking licensees? Yes x No _____.

FOREIGN PATENT STATUS

Country of filing	Filing date	Filing No.	Date Granted	Patent No.
Canada	9/16/76	261,337		
Germany	9/16/76	P2641618.2		
Great Britain	9/10/76	37633/76		
Japan	9/17/76	111657/76		

STATUS OF NSF-FUNDED INVENTION

NSF File Number: 74-46 Disclosure Date: 2/5/74 Waiver Date:

Grantee Institution: Wisconsin Inventor(s): Walters & Bernier

Invention Title: Spark Source with Electronic Switching Tubes

Individual or Organization seeking licensees for invention:

WARF

U.S. Patent Application filed. Date: 4/16/75 ; S.N.: 568,577 .

U.S. Patent granted. Date: 8/3/76 ; No.: 3,973,167 .

Status of patent application if not yet granted: _____ .

If U.S. patent has been denied or the application has been abandoned, has the invention been disclosed in a publication? _____ .

If so: Journal title: _____ ; Date: _____ .

FIRST LICENSEE: _____ ; Date of license: _____ .

Total license payments to grantee before Oct. 1, 1976: \$ _____ .

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____ ; Oct. 1, 1977 to Sep. 30, 1978: \$ _____ ; Oct. 1, 1978 to Sep. 30, 1979: \$ _____ .

Has the invention been put into commercial use under this license? _____ .

If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____ ;

Description:

SECOND LICENSEE: _____ ; Date of license: _____ .

Total license payments to grantee before Oct. 1, 1976: \$ _____ .

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____ ; Oct. 1, 1977 to Sep. 30, 1978: \$ _____ ; Oct. 1, 1978 to Sep. 30, 1979: \$ _____ .

Has the invention been put into commercial use under this license? _____ .

If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____ ;

Description:

Please provide above information for further licenses on the back, and check here: _____. Is invention available to other licensees? _____ .

Are you still actively seeking licensees? Yes No _____ .

FOREIGN PATENT STATUS

Country of filing	Filing date	Filing No.	Date Granted	Patent No.
Brazil	2/20/75	1380/75	- abandoned	12/2/77
Canada	2/21/75	220,578		
W. Germany	2/8/75	P2505392.3		
Great Britain	2/20/75	7155175	2/1/78	1487816
Japan	2/20/75	21400/75		
Canada (Div.)	2/20/78	297,261		

STATUS OF NSF-FUNDED INVENTION

NSF File Number: 76-132 Disclosure Date: 5/3/76 Waiver Date:

Grantee Institution: Wisconsin Inventor(s): Walters & Coleman

Invention Title: Spark Source with Regulation of Spark Magnetude by Control
of Spark Timing

Individual or Organization seeking licensees for invention:

WARF

U.S. Patent Application filed. Date: 3/1/76; S.N.: 662,891.

U.S. Patent granted. Date: 10/25/77; No.: 4,055,783.

Status of patent application if not yet granted: _____.

If U.S. patent has been denied or the application has been abandoned, has
the invention been disclosed in a publication? _____.

If so: Journal title: _____; Date: _____.

License in process of

FIRST LICENSEE: being negotiated.; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977
to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.

If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____;

Description:

SECOND LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977
to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.

If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____;

Description:

Please provide above information for further licenses on the back, and
check here: _____. Is invention available to other licensees? _____.

Are you still actively seeking licensees? Yes x No _____.

FOREIGN PATENT STATUS

<u>Country of filing</u>	<u>Filing date</u>	<u>Filing No.</u>	<u>Date Granted</u>	<u>Patent No.</u>
Canada	9/9/77	286,403		

STATUS OF NSF-FUNDED INVENTION

NSF File Number: 76-122 Disclosure Date: 3/15/76 Waiver Date:

Grantee Institution: Wisconsin Inventor(s): West, Beyer, Komatsu

Invention Title: Quinocyclopropene Derivatives

Individual or Organization seeking licensees for invention:

WARF

U.S. Patent Application filed. Date: 3/15/77; S.N.: 777,836.

U.S. Patent granted. Date: _____; No.: _____.

Application in condition

Status of patent application if not yet granted: for allowance.

If U.S. patent has been denied or the application has been abandoned, has the invention been disclosed in a publication? _____.

If so: Journal title: _____; Date: _____.

FIRST LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977 to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.

If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____;

Description:

SECOND LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977 to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.

If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____;

Description:

Please provide above information for further licenses on the back, and check here: _____. Is invention available to other licensees? _____.

Are you still actively seeking licensees? Yes x No _____.

FOREIGN PATENT STATUS

Country of filing Filing date Filing No. Date Granted Patent No.

STATUS OF NSF-FUNDED INVENTION

NSF File Number: 76-140 Disclosure Date: 3/25/76 Waiver Date:

Grantee Institution: Wisconsin Inventor(s): J. C. Wright

Invention Title: Chemical Analysis of Ions Incorporated in Lattices Using
Coherent Excitation Sources

Individual or Organization seeking licensees for invention:

WARF

U.S. Patent Application filed. Date: 2-11-76 ; S.N.: 657,252 .

U.S. Patent granted. Date: 2-8-77 ; No.: 4,007,009 .

Status of patent application if not yet granted: _____ .

If U.S. patent has been denied or the application has been abandoned, has
the invention been disclosed in a publication? _____ .

If so: Journal title: _____ ; Date: _____ .

FIRST LICENSEE: _____ ; Date of license: _____ .

Total license payments to grantee before Oct. 1, 1976: \$ _____ .

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____ ; Oct. 1, 1977
to Sep. 30, 1978: \$ _____ ; Oct. 1, 1978 to Sep. 30, 1979: \$ _____ .

Has the invention been put into commercial use under this license? _____ .

If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____ ;

Description:

SECOND LICENSEE: _____ ; Date of license: _____ .

Total license payments to grantee before Oct. 1, 1976: \$ _____ .

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____ ; Oct. 1, 1977
to Sep. 30, 1978: \$ _____ ; Oct. 1, 1978 to Sep. 30, 1979: \$ _____ .

Has the invention been put into commercial use under this license? _____ .

If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____ ;

Description:

Please provide above information for further licenses on the back, and
check here: _____. Is invention available to other licensees? _____ .

Are you still actively seeking licensees? Yes No _____ .

FOREIGN PATENT STATUS

Country of filing	Filing date	Filing No.	Date Granted	Patent No.
Canada	2/1/77	270,802		

NOTE: Invention not within scope of
NSF IPA

OMB NO. 99-R0308
APPROVAL EXPIRES:
April 30, 1981

STATUS OF NSF-FUNDED INVENTION

NSF File Number: 73-39 Disclosure Date: 6/10/73 Waiver Date:

Grantee Institution: Wisconsin Inventor(s): Ferry & Kramer

Invention Title: Soft Rubbery Materials with Extremely High Damping Capabilities

Individual or Organization seeking licensees for invention:

WARF

U.S. Patent Application filed. Date: 2/20/73 ; S.N.: 333,957 .

U.S. Patent granted. Date: _____ ; No.: _____ .

Status of patent application if not yet granted: abandoned 7/9/75 .

If U.S. patent has been denied or the application has been abandoned, has the invention been disclosed in a publication? yes .

If so: Journal title: Journal of Polymer Science - ; Date: _____ .

Vol. 12, p. 2361, 1974; Vol. 13, p. 1675 & 1687, 1975

FIRST LICENSEE: _____ ; Date of license: _____ .

Total license payments to grantee before Oct. 1, 1976: \$ _____ .

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____ ; Oct. 1, 1977 to Sep. 30, 1978: \$ _____ ; Oct. 1, 1978 to Sep. 30, 1979: \$ _____ .

Has the invention been put into commercial use under this license? _____ .

If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____ ;

Description:

SECOND LICENSEE: _____ ; Date of license: _____ .

Total license payments to grantee before Oct. 1, 1976: \$ _____ .

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____ ; Oct. 1, 1977 to Sep. 30, 1978: \$ _____ ; Oct. 1, 1978 to Sep. 30, 1979: \$ _____ .

Has the invention been put into commercial use under this license? _____ .

If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____ ;

Description:

Please provide above information for further licenses on the back, and check here: _____. Is invention available to other licensees? _____ .

Are you still actively seeking licensees? Yes _____ No _____ .

FOREIGN PATENT STATUS

Country of filing	Filing date	Filing No.	Date Granted	Patent No.
Canada	2/18/74	192,808)	
France	2/19/74	74.05493)	
W. Germany	2/20/74	P2408152.5)	all patent applications
Great Britain	2/18/74	7191/74)	abandoned
Italy	2/20/74	48547A/74)	
Japan	2/20/74	20,372/1974)	

NOTE: Invention not within scope of
NSF IPA

OMB NO. 99-R0308
APPROVAL EXPIRES:
April 30, 1981

STATUS OF NSF-FUNDED INVENTION

NSF File Number: 73-14 Disclosure Date: 8/16/72 Waiver Date: NSF Determination - 4/6/73
Grantee Institution: Wisconsin Inventor(s): Ray J. King
Invention Title: Variable Traveling Wave Antennas with Electronically Controllable Scanning
Individual or Organization seeking licensees for invention:

WARF

U.S. Patent Application filed. Date: 9/13/73; S.N.: 397,082 - abandoned;
10/3/75 619,410 - c-i-p of
 U.S. Patent granted. Date: _____; No.: _____ SN 397,082
Application in condition

Status of patent application if not yet granted: for allowance.
If U.S. patent has been denied or the application has been abandoned, has
the invention been disclosed in a publication? _____.

If so: Journal title: _____; Date: _____.

FIRST LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977
to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.
If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____;
Description:

SECOND LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977
to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.
If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____;
Description:

Please provide above information for further licenses on the back, and
check here: _____. Is invention available to other licensees? _____.
Are you still actively seeking licensees? Yes _____ NO _____.

FOREIGN PATENT STATUS

Country of filing	Filing date	Filing No.	Date Granted	Patent No.
Canada	9/16/74	209,260	3/15/77	1006974

NOTE: Invention not within scope of
NSF IPA

OMB NO. 99-R0308
APPROVAL EXPIRES:
April 30, 1981

STATUS OF NSF-FUNDED INVENTION

NSF File Number: 69-42 Disclosure Date: Waiver Date:

Grantee Institution: Wisconsin Inventor(s): Larsen & Gil-Arno

Invention Title: Process of Separation of Hafnium from Zirconium

Individual or Organization seeking licensees for invention:

WARF

U.S. Patent Application filed. Date: 2/7/69; S.N.: 797,683.

U.S. Patent granted. Date: 5/22/73; No.: 3,734,689.

Status of patent application if not yet granted: _____.

If U.S. patent has been denied or the application has been abandoned, has the invention been disclosed in a publication? _____.

If so: Journal title: _____; Date: _____.

FIRST LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977 to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.

If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____;

Description:

SECOND LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977 to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.

If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____;

Description:

Please provide above information for further licenses on the back, and check here: _____. Is invention available to other licensees? _____.

Are you still actively seeking licensees? Yes _____ No x _____.

FOREIGN PATENT STATUS

Country of filing Filing date Filing No. Date Granted Patent No.

NOTE: Invention not within scope of
NSF IPA

OMB NO. 99-R0308
APPROVAL EXPIRES:
April 30, 1981

STATUS OF NSF-FUNDED INVENTION

NSF File Number: 75-58 Disclosure Date: 7/71 Waiver Date:

Grantee Institution: Wisconsin Inventor(s): Arthur S. Lodge

Invention Title: Flow Meter for Non-Newtonian Liquids

Individual or Organization seeking licensees for invention:

U.S. Patent Application filed. Date: 7/29/71; S.N.: 167,254.

U.S. Patent granted. Date: 12/11/73; No.: 3,777,549.

Patent reassigned to Lodge - 2/26/75
Status of patent application if not yet granted: _____
If U.S. patent has been denied or the application has been abandoned, has
the invention been disclosed in a publication? _____.

If so: Journal title: _____; Date: _____.

FIRST LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977
to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.
If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____;
Description:

SECOND LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977
to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.
If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____;
Description:

Please provide above information for further licenses on the back, and
check here: _____. Is invention available to other licensees? _____.
Are you still actively seeking licensees? Yes _____ No _____.

FOREIGN PATENT STATUS

Country of filing	Filing date	Filing No.	Date Granted	Patent No.
Canada	7/27/72	148,142)	
Germany	7/25/72	P2236572.6)	Patent applications reassigned
Japan	7/28/72	75,804/72)	to Lodge - 2/26/75

NOTE: Invention not within scope of
NSF IPA

OMB NO. 99-R0308
APPROVAL EXPIRES:
April 30, 1981

STATUS OF NSF-FUNDED INVENTION

NSF File Number: 74-17 Disclosure Date: Waiver Date:
Grantee Institution: Wisconsin Inventor(s): Vanderheiden, Lamers et al

Invention Title: Auto-Monitoring Commercial Devices for Handicapped Persons

Individual or Organization seeking licensees for invention:

Invention dropped by WARF 9/1/72; WARF did not file patent application.

U.S. Patent Application filed. Date: 4/73; S.N.: 353,462.

U.S. Patent granted. Date: _____; No.: _____.

Status of patent application if not yet granted: _____.

If U.S. patent has been denied or the application has been abandoned, has
the invention been disclosed in a publication? _____.

If so: Journal title: _____; Date: _____.

FIRST LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977
to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.

If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____;

Description:

SECOND LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977
to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.

If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____;

Description:

Please provide above information for further licenses on the back, and
check here: _____. Is invention available to other licensees? _____.

Are you still actively seeking licensees? Yes _____ No _____.

FOREIGN PATENT STATUS

Country of filing Filing date Filing No. Date Granted Patent No.

NOTE: Invention not within scope of
NSF IPA

OMB NO. 99-R0308
APPROVAL EXPIRES:
April 30, 1981

STATUS OF NSF-FUNDED INVENTION

NSF File Number: 70-10 Disclosure Date: 9/18/69 Waiver Date; NSF Determination - 5/8/70

Grantee Institution: Wisconsin Inventor(s): Walters & ~~Bruhns~~ Bruhns

Invention Title: An Electronically-Controlled Current Injection Spark Source for
Basic and Applied Emission Spectrometry
Individual or Organization seeking licensees for invention:

WARF

U.S. Patent Application filed. Date: 2/4/70 ; S.N.: 8,462 .

U.S. Patent granted. Date: 4/4/72 ; No.: 3,653,766 .

Status of patent application if not yet granted: _____
If U.S. patent has been denied or the application has been abandoned, has
the invention been disclosed in a publication? _____.

If so: Journal title: _____; Date: _____.

FIRST LICENSEE: Jarrell-Ash ; Date of license: 7/1/71 .

Total license payments to grantee before Oct. 1, 1976: \$1,000 .

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ -- ; Oct. 1, 1977
to Sep. 30, 1978: \$ -- ; Oct. 1, 1978 to Sep. 30, 1979: \$ -- .

Has the invention been put into commercial use under this license? _____
If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____;
Description:

SECOND LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977
to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____
If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____;
Description:

Please provide above information for further licenses on the back, and
check here: _____. Is invention available to other licensees? x .
Are you still actively seeking licensees? Yes x No _____.

FOREIGN PATENT STATUS

Country of filing	Filing date	Filing No.	Date Granted	Patent No.
Canada	12/3/70	099,785	6/19/73	928,772
Canada (Div.)	11/23/72	157,302	10/2/73	934,811

NOTE: Invention not within scope of
NSF IPA

OMB NO. 99-R0308
APPROVAL EXPIRES:
April 30, 1981

STATUS OF NSF-FUNDED INVENTION

NSF File Number: 72-50 Disclosure Date: 3/20/72 Waiver Date: NSF Determination - 8/11/72

Grantee Institution: U. of Wisconsin Inventor(s): Walters, Goldstein & Eaton

Invention Title: Method & Apparatus for Spark Spectroscopy

Individual or Organization seeking licensees for invention:

WARF

U.S. Patent Application filed. Date: 2/4/72 ; S.N.: 223,605 .

U.S. Patent granted. Date: 6/11/74 ; No.: 3,815,995 .

Status of patent application if not yet granted: _____
If U.S. patent has been denied or the application has been abandoned, has the invention been disclosed in a publication? _____.

If so: Journal title: _____; Date: _____.

FIRST LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977 to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____
If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____;
Description:

SECOND LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977 to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____
If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____;
Description:

Please provide above information for further licenses on the back, and check here: _____. Is invention available to other licensees? _____.
Are you still actively seeking licensees? Yes x No _____.

FOREIGN PATENT STATUS

Country of filing Filing date Filing No. Date Granted Patent No.

STATUS OF NSF-FUNDED INVENTION

NSF File Number: 74-62 Disclosure Date: 3/26/74 Waiver Date:

Grantee Institution: Wisconsin Inventor(s): Anderson et al

Invention Title: Molecular Nitrogen Laser

Individual or Organization seeking licensees for invention:

WARF

U.S. Patent Application filed. Date: 5/20/75 ; S.N.: 579,268

U.S. Patent granted. Date: 2/28/78 ; No.: 4,077,020

Status of patent application if not yet granted: _____
If U.S. patent has been denied or the application has been abandoned, has the invention been disclosed in a publication? _____

If so: Journal title: _____; Date: _____
Anderson, Louis W.

FIRST LICENSEE: Fitzsimmons, William A. ; Date of license: 4/11/78
National Research Group, Inc.

Total license payments to grantee before Oct. 1, 1976: \$ _____

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977 to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____

Has the invention been put into commercial use under this license? yes
If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____; - over Description:

SECOND LICENSEE: _____; Date of license: _____

Total license payments to grantee before Oct. 1, 1976: \$ _____

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977 to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____

Has the invention been put into commercial use under this license? _____
If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____; Description:

Please provide above information for further licenses on the back, and check here: _____. Is invention available to other licensees? _____.
Are you still actively seeking licensees? Yes x No _____

FOREIGN PATENT STATUS

Country of filing Filing date Filing No. Date Granted Patent No.

STATUS OF NSF-FUNDED INVENTION

NSF File Number: 76-142 Disclosure Date: 5/18/76 Waiver Date:

Grantee Institution: Wisconsin Inventor(s): Blaedel and Jenkins

Invention Title: A Reagentless Lactate Electrode

Individual or Organization seeking licensees for invention:

WARF

U.S. Patent Application filed. Date: 12/13/76; S.N.: 752,421.

U.S. Patent granted. Date: _____; No.: _____.

Status of patent application if not yet granted: Under Final Rejection; interview with Examiner to be held in Aug.
If U.S. patent has been denied or the application has been abandoned, has the invention been disclosed in a publication? _____.

If so: Journal title: _____; Date: _____.

FIRST LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977 to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.
If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____;
Description: _____.

SECOND LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977 to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.
If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____;
Description: _____.

Please provide above information for further licenses on the back, and check here: _____. Is invention available to other licensees? _____.
Are you still actively seeking licensees? Yes _____ No _____.

FOREIGN PATENT STATUS

Country of filing	Filing date	Filing No.	Date Granted	Patent No.
Germany	12/27/76	P2659071.6		

STATUS OF NSF-FUNDED INVENTION

NSF File Number: 78-55 Disclosure Date: 3/17/78 Waiver Date:

Grantee Institution: Wisconsin Inventor(s): Brill

Invention Title: Rhizobium Japonicum Mutant Strains SM31 and SM35
with Increased Ability to Fix Nitrogen for Soybean
Individual or Organization seeking licensees for invention:

WARF

U.S. Patent Application filed. Date: _____; S.N.: _____.

A patent application was not filed. (see back of this page)

U.S. Patent granted. Date: _____; No.: _____.

Status of patent application if not yet granted: _____.

If U.S. patent has been denied or the application has been abandoned, has the invention been disclosed in a publication? yes.

Abstract - March 1977 (Annual Mtg. Am. Soc. for Microbi-

If so: Journal title: ology Crop Science, V. 16, ; Date: July-Aug, 1976
pp. 519-522

FIRST LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977
to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.

If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____; Description:

SECOND LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977
to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.

If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____; Description:

Please provide above information for further licenses on the back, and check here: _____. Is invention available to other licensees? _____.
Are you still actively seeking licensees? Yes _____ No _____.

FOREIGN PATENT STATUS

Country of filing Filing date Filing No. Date Granted Patent No.

STATUS OF NSF-FUNDED INVENTION

NSF File Number: _____ Disclosure Date: 12/22/76 Waiver Date: _____

Grantee Institution: Wisconsin Inventor(s): Davida-Wells

Invention Title: Digital Data Enciphering and Deciphering Circuit and Method

Individual or Organization seeking licensees for invention:

WARF

U.S. Patent Application filed. Date: 10/3/77; S.N.: 839,034.

U.S. Patent granted. Date: _____; No.: _____.

Status of patent application if not yet granted: Awaiting 1st Office Action
If U.S. patent has been denied or the application has been abandoned, has
the invention been disclosed in a publication? _____.

If so: Journal title: _____; Date: _____.

FIRST LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977
to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.
If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____;
Description:

SECOND LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977
to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.
If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____;
Description:

Please provide above information for further licenses on the back, and
check here: _____. Is invention available to other licensees? _____.
Are you still actively seeking licensees? Yes _____ No _____.

FOREIGN PATENT STATUS

Country of filing Filing date Filing No. Date Granted Patent No.

STATUS OF NSF-FUNDED INVENTION

NSF File Number: 74-52 Disclosure Date: 2/22/74 Waiver Date:

Grantee Institution: Wisconsin Inventor(s): Mayhugh & Fullerton

Invention Title: Sensitized Thermoluminescent Phosphor & Method

Individual or Organization seeking licensees for invention:

WARF

U.S. Patent Application filed. Date: 11/13/74; S.N.: 523,322.

U.S. Patent granted. Date: 6/8/76; No.: 3,962,586.

Status of patent application if not yet granted: _____.
If U.S. patent has been denied or the application has been abandoned, has
the invention been disclosed in a publication? _____.

If so: Journal title: _____; Date: _____.

FIRST LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977
to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.
If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____;
Description:

SECOND LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977
to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.
If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____;
Description:

Please provide above information for further licenses on the back, and
check here: _____. Is invention available to other licensees? _____.
Are you still actively seeking licensees? Yes No _____.

FOREIGN PATENT STATUS

Country of filing Filing date Filing No. Date Granted Patent No.

STATUS OF NSF-FUNDED INVENTION

NSF File Number: 78-22 Disclosure Date: 1/3/78 Waiver Date:

Grantee Institution: Wisconsin Inventor(s): Mistretta

Invention Title: Time Dependent Subtraction Imaging - Mask Mode

Individual or Organization seeking licensees for invention:

WARF

U.S. Patent Application filed. Date: 5/16/78 ; S.N.: 906,686 .

U.S. Patent granted. Date: _____ ; No.: _____ .

Status of patent application if not yet granted: Awaiting 1st Office Action
If U.S. patent has been denied or the application has been abandoned, has
the invention been disclosed in a publication? _____ .

If so: Journal title: _____ ; Date: _____ .

FIRST LICENSEE: _____ ; Date of license: _____ .

Total license payments to grantee before Oct. 1, 1976: \$ _____ .

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____ ; Oct. 1, 1977
to Sep. 30, 1978: \$ _____ ; Oct. 1, 1978 to Sep. 30, 1979: \$ _____ .

Has the invention been put into commercial use under this license? _____ .
If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____ ;
Description:

SECOND LICENSEE: _____ ; Date of license: _____ .

Total license payments to grantee before Oct. 1, 1976: \$ _____ .

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____ ; Oct. 1, 1977
to Sep. 30, 1978: \$ _____ ; Oct. 1, 1978 to Sep. 30, 1979: \$ _____ .

Has the invention been put into commercial use under this license? _____ .
If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____ ;
Description:

Please provide above information for further licenses on the back, and
check here: _____. Is invention available to other licensees? _____.
Are you still actively seeking licensees? Yes x No _____ .

FOREIGN PATENT STATUS

Country of filing Filing date Filing No. Date Granted Patent No.

NOTE: This is a duplicate of your NSF File
No. 78-22

OMB NO. 99-R0308
APPROVAL EXPIRES:
April 30, 1981

STATUS OF NSF-FUNDED INVENTION

1/3/78

NSF File Number: ~~78-59~~ Disclosure Date: ~~5/24/78~~ Waiver Date:

Grantee Institution: Wisconsin Inventor(s): Mistretta et al

Invention Title: Time Dependent Subtraction Imaging-Mask Mode

Individual or Organization seeking licensees for invention:
WARF

U.S. Patent Application filed. Date: 5/16/78 ; S.N.: 906,686 .

U.S. Patent granted. Date: _____ ; No.: _____ .

Status of patent application if not yet granted: Awaiting 1st Office Action
If U.S. patent has been denied or the application has been abandoned, has
the invention been disclosed in a publication? _____ .

If so: Journal title: _____ ; Date: _____ .

FIRST LICENSEE: _____ ; Date of license: _____ .

Total license payments to grantee before Oct. 1, 1976: \$ _____ .

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____ ; Oct. 1, 1977
to Sep. 30, 1978: \$ _____ ; Oct. 1, 1978 to Sep. 30, 1979: \$ _____ .

Has the invention been put into commercial use under this license? _____ .
If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____ ;
Description:

SECOND LICENSEE: _____ ; Date of license: _____ .

Total license payments to grantee before Oct. 1, 1976: \$ _____ .

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____ ; Oct. 1, 1977
to Sep. 30, 1978: \$ _____ ; Oct. 1, 1978 to Sep. 30, 1979: \$ _____ .

Has the invention been put into commercial use under this license? _____ .
If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____ ;
Description:

Please provide above information for further licenses on the back, and
check here: _____. Is invention available to other licensees? _____.
Are you still actively seeking licensees? Yes x No _____ .

FOREIGN PATENT STATUS

Country of filing Filing date Filing No. Date Granted Patent No.

STATUS OF NSF-FUNDED INVENTION

NSF File Number: 78-30 Disclosure Date: 1/3/78 Waiver Date:

Grantee Institution: Wisconsin Inventor(s): Mistretta

Invention Title: Tomographic Time Interval Differencing

Individual or Organization seeking licensees for invention:
WARF

U.S. Patent Application filed. Date: _____; S.N.: _____.

No patent application has been filed to date.

U.S. Patent granted. Date: _____; No.: _____.

Status of patent application if not yet granted: _____.

If U.S. patent has been denied or the application has been abandoned, has the invention been disclosed in a publication? _____.

If so: Journal title: _____; Date: _____.

FIRST LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977 to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.

If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____;

Description:

SECOND LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977 to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.

If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____;

Description:

Please provide above information for further licenses on the back, and check here: _____. Is invention available to other licensees? _____.

Are you still actively seeking licensees? Yes _____ No _____.

FOREIGN PATENT STATUS

Country of filing Filing date Filing No. Date Granted Patent No.

STATUS OF NSF-FUNDED INVENTION

NSF File Number: 78-29 Disclosure Date: 1/3/78 Waiver Date:

Grantee Institution: Wisconsin Inventor(s): Mistretta-Kruger-Houk

Invention Title: Time Interval Differencing-without Contrast Agent

Individual or Organization seeking licensees for invention:

WARF

U.S. Patent Application filed. Date: 5/16/78; S.N.: 906,631.

U.S. Patent granted. Date: _____; No.: _____.

Status of patent application if not yet granted: Awaiting 1st Office Action
If U.S. patent has been denied or the application has been abandoned, has
the invention been disclosed in a publication? _____.

If so: Journal title: _____; Date: _____.

FIRST LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977
to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.
If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____;
Description:

SECOND LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977
to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.
If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____;
Description:

Please provide above information for further licenses on the back, and
check here: _____. Is invention available to other licensees? _____.
Are you still actively seeking licensees? Yes x No _____.

FOREIGN PATENT STATUS

Country of filing Filing date Filing No. Date Granted Patent No.

STATUS OF NSF-FUNDED INVENTION

NSF File Number: _____ Disclosure Date: 8/4/78 Waiver Date: _____

Grantee Institution: Wisconsin Inventor(s): Reich-Chow

Invention Title: Benzeneseleninic Acids as Catalysts for Hydrogen Peroxide
Oxidation

Individual or Organization seeking licensees for invention:

WARF

- U.S. Patent Application filed. Date: _____; S.N.: _____
No patent application has been filed to date.
- U.S. Patent granted. Date: _____; No.: _____

Status of patent application if not yet granted: _____
If U.S. patent has been denied or the application has been abandoned, has
the invention been disclosed in a publication? _____

If so: Journal title: _____; Date: _____

FIRST LICENSEE: _____; Date of license: _____

Total license payments to grantee before Oct. 1, 1976: \$ _____

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977
to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____

Has the invention been put into commercial use under this license? _____
If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____;
Description:

SECOND LICENSEE: _____; Date of license: _____

Total license payments to grantee before Oct. 1, 1976: \$ _____

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977
to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____

Has the invention been put into commercial use under this license? _____
If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____;
Description:

Please provide above information for further licenses on the back, and
check here: _____. Is invention available to other licensees? _____.
Are you still actively seeking licensees? Yes _____ No _____

FOREIGN PATENT STATUS

Country of filing Filing date Filing No. Date Granted Patent No.

STATUS OF NSF-FUNDED INVENTION

NSF File Number: _____ Disclosure Date: 8/4/78 Waiver Date: _____

Grantee Institution: Wisconsin Inventor(s): Scott

Invention Title: Fluxon Oscillators

Individual or Organization seeking licensees for invention:

WARF

U.S. Patent Application filed. Date: 7/12/78 ; S.N.: 923,955 .

U.S. Patent granted. Date: _____; No.: _____.

Status of patent application if not yet granted: Awaiting 1st Office Action
If U.S. patent has been denied or the application has been abandoned, has
the invention been disclosed in a publication? _____.

If so: Journal title: _____; Date: _____.

FIRST LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977
to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.
If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____;
Description:

SECOND LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977
to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.
If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____;
Description:

Please provide above information for further licenses on the back, and
check here: _____. Is invention available to other licensees? _____.
Are you still actively seeking licensees? Yes x No _____.

FOREIGN PATENT STATUS

Country of filing Filing date Filing No. Date Granted Patent No.

STATUS OF NSF-FUNDED INVENTION

NSF File Number: 75-99 Disclosure Date: 2/13/75 Waiver Date:

Grantee Institution: Wisconsin Inventor(s): Skoog-Schmitz-Hecht-Frye

Invention Title: Cytokinin Antagonists & Method of Production & Use

Individual or Organization seeking licensees for invention:

WARF

U.S. Patent Application filed. Date: 4/24/74; S.N.: 463,739 .

U.S. Patent granted. Date: 10/26/76; No.: 3,988,338 .

Status of patent application if not yet granted: _____ .

If U.S. patent has been denied or the application has been abandoned, has the invention been disclosed in a publication? _____ .

If so: Journal title: _____; Date: _____ .

FIRST LICENSEE: Burroughs-Wellcome; Date of license: 4/1/76 .

Total license payments to grantee before Oct. 1, 1976: \$1,000 .

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ --; Oct. 1, 1977 to Sep. 30, 1978: \$ --; Oct. 1, 1978 to Sep. 30, 1979: \$ -- .

Has the invention been put into commercial use under this license? no .

If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____;

Description:

SECOND LICENSEE: _____; Date of license: _____ .

Total license payments to grantee before Oct. 1, 1976: \$ _____ .

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977 to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____ .

Has the invention been put into commercial use under this license? _____ .

If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____;

Description:

Please provide above information for further licenses on the back, and check here: _____. Is invention available to other licensees? yes .

Are you still actively seeking licensees? Yes X No _____ .

FOREIGN PATENT STATUS

Country of filing Filing date Filing No. Date Granted Patent No.

STATUS OF NSF-FUNDED INVENTION

NSF File Number: 75-121 Disclosure Date: 3/18/75 Waiver Date:

Grantee Institution: Wisconsin Inventor(s): Trost & Tamaru

Invention Title: Oxidative Decarboxylation of Carboxylic Acids

Individual or Organization seeking licensees for invention:
WARF

U.S. Patent Application filed. Date: 5/19/75; S.N.: 578,533.

U.S. Patent granted. Date: 2/8/77; No.: 4,007,211.

Status of patent application if not yet granted: _____.
If U.S. patent has been denied or the application has been abandoned, has
the invention been disclosed in a publication? _____.

If so: Journal title: _____; Date: _____.

FIRST LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977
to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.
If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____;
Description:

SECOND LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977
to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.
If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____;
Description:

Please provide above information for further licenses on the back, and
check here: _____. Is invention available to other licensees? _____.
Are you still actively seeking licensees? Yes No _____.

FOREIGN PATENT STATUS

Country of filing Filing date Filing No. Date Granted Patent No.

STATUS OF NSF-FUNDED INVENTION

NSF File Number: 76-92 Disclosure Date: 2/6/76 Waiver Date:

Grantee Institution: Wisconsin Inventor(s): Trost-Verhoeven

Invention Title: Catalytic Allylic Alkylation

Individual or Organization seeking licensees for invention:
WARF

U.S. Patent Application filed. Date: 1/5/76; S.N.: 646,640.

U.S. Patent granted. Date: 9/27/77; No.: 4,051,157.

Status of patent application if not yet granted: _____.
If U.S. patent has been denied or the application has been abandoned, has
the invention been disclosed in a publication? _____.

If so: Journal title: _____; Date: _____.

FIRST LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977
to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.
If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____;
Description:

SECOND LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977
to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.
If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____;
Description:

Please provide above information for further licenses on the back, and
check here: _____. Is invention available to other licensees? _____.
Are you still actively seeking licensees? Yes x No _____.

FOREIGN PATENT STATUS

Country of filing Filing date Filing No. Date Granted Patent No.

STATUS OF NSF-FUNDED INVENTION

NSF File Number: 76-39 Disclosure Date: 9/30/75 Waiver Date:

Grantee Institution: Wisconsin Inventor(s): Walters

Invention Title: Mestastable Argon Stabilized Arc Device

Individual or Organization seeking licensees for invention:

WARF

U.S. Patent Application filed. Date: 9/17/75; S.N.: 614,194.

U.S. Patent granted. Date: 11/29/77; No.: 4,060,708.

Status of patent application if not yet granted: _____.
If U.S. patent has been denied or the application has been abandoned, has the invention been disclosed in a publication? _____.

If so: Journal title: _____; Date: _____.

FIRST LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977 to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.
If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____;
Description:

SECOND LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977 to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.
If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____;
Description:

Please provide above information for further licenses on the back, and check here: _____. Is invention available to other licensees? _____.
Are you still actively seeking licensees? Yes x No _____.

FOREIGN PATENT STATUS

Country of filing	Filing date	Filing No.	Date Granted	Patent No.
Canada	9/16/76	261,337		
Germany	9/16/76	P2641618.2		
Great Britain	9/10/76	37633/76		
Japan	9/17/76	111657/76		

STATUS OF NSF-FUNDED INVENTION

NSF File Number: 74-46 Disclosure Date: 2/5/74 Waiver Date:
Grantee Institution: Wisconsin Inventor(s): Walters & Bernier
Invention Title: Spark Source with Electronic Switching Tubes
Individual or Organization seeking licensees for invention:

WARF

U.S. Patent Application filed. Date: 4/16/75 ; S.N.: 568,577 .

U.S. Patent granted. Date: 8/3/76 ; No.: 3,973,167 .

Status of patent application if not yet granted: _____
If U.S. patent has been denied or the application has been abandoned, has
the invention been disclosed in a publication? _____

If so: Journal title: _____ ; Date: _____

FIRST LICENSEE: _____ ; Date of license: _____

Total license payments to grantee before Oct. 1, 1976: \$ _____

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____ ; Oct. 1, 1977
to Sep. 30, 1978: \$ _____ ; Oct. 1, 1978 to Sep. 30, 1979: \$ _____

Has the invention been put into commercial use under this license? _____
If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____ ;
Description:

SECOND LICENSEE: _____ ; Date of license: _____

Total license payments to grantee before Oct. 1, 1976: \$ _____

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____ ; Oct. 1, 1977
to Sep. 30, 1978: \$ _____ ; Oct. 1, 1978 to Sep. 30, 1979: \$ _____

Has the invention been put into commercial use under this license? _____
If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____ ;
Description:

Please provide above information for further licenses on the back, and
check here: _____. Is invention available to other licensees? _____.
Are you still actively seeking licensees? Yes No _____

FOREIGN PATENT STATUS

Country of filing	Filing date	Filing No.	Date Granted	Patent No.
Brazil	2/20/75	1380/75	- abandoned	12/2/77
Canada	2/21/75	220,578		
W. Germany	2/8/75	P2505392.3		
Great Britain	2/20/75	7155175	2/1/78	1487816
Japan	2/20/75	21400/75		
Canada (Div.)	2/20/78	297,261		

STATUS OF NSF-FUNDED INVENTION

NSF File Number: 76-132 Disclosure Date: 5/3/76 Waiver Date:

Grantee Institution: Wisconsin Inventor(s): Walters & Coleman

Invention Title: Spark Source with Regulation of Spark Magnetude by Control
of Spark Timing

Individual or Organization seeking licensees for invention:

WARF

U.S. Patent Application filed. Date: 3/1/76 ; S.N.: 662,891 .

U.S. Patent granted. Date: 10/25/77; No.: 4,055,783 .

Status of patent application if not yet granted: _____ .
If U.S. patent has been denied or the application has been abandoned, has
the invention been disclosed in a publication? _____ .

If so: Journal title: _____ ; Date: _____ .

License in process of
FIRST LICENSEE: being negotiated. _____ ; Date of license: _____ .

Total license payments to grantee before Oct. 1, 1976: \$ _____ .

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____ ; Oct. 1, 1977
to Sep. 30, 1978: \$ _____ ; Oct. 1, 1978 to Sep. 30, 1979: \$ _____ .

Has the invention been put into commercial use under this license? _____ .
If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____ ;
Description:

SECOND LICENSEE: _____ ; Date of license: _____ .

Total license payments to grantee before Oct. 1, 1976: \$ _____ .

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____ ; Oct. 1, 1977
to Sep. 30, 1978: \$ _____ ; Oct. 1, 1978 to Sep. 30, 1979: \$ _____ .

Has the invention been put into commercial use under this license? _____ .
If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____ ;
Description:

Please provide above information for further licenses on the back, and
check here: _____. Is invention available to other licensees? _____.
Are you still actively seeking licensees? Yes No _____ .

FOREIGN PATENT STATUS

Country of filing	Filing date	Filing No.	Date Granted	Patent No.
Canada	9/9/77	286,403		

STATUS OF NSF-FUNDED INVENTION

NSF File Number: 76-122 Disclosure Date: 3/15/76 Waiver Date:

Grantee Institution: Wisconsin Inventor(s): West, Beyer, Komatsu

Invention Title: Quinocyclopropene Derivatives

Individual or Organization seeking licensees for invention:

WARF

U.S. Patent Application filed. Date: 3/15/77; S.N.: 777,836.

U.S. Patent granted. Date: _____; No.: _____.

Application in condition
Status of patent application if not yet granted: for allowance.

If U.S. patent has been denied or the application has been abandoned, has the invention been disclosed in a publication? _____.

If so: Journal title: _____; Date: _____.

FIRST LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977 to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.

If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____;

Description:

SECOND LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977 to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.

If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____;

Description:

Please provide above information for further licenses on the back, and check here: _____. Is invention available to other licensees? _____.

Are you still actively seeking licensees? Yes x No _____.

FOREIGN PATENT STATUS

Country of filing Filing date Filing No. Date Granted Patent No.

STATUS OF NSF-FUNDED INVENTION

NSF File Number: 76-140 Disclosure Date: 3/25/76 Waiver Date:

Grantee Institution: Wisconsin Inventor(s): J. C. Wright

Invention Title: Chemical Analysis of Ions Incorporated in Lattices Using
Coherent Excitation Sources

Individual or Organization seeking licensees for invention:
WARF

U.S. Patent Application filed. Date: 2-11-76 ; S.N.: 657,252 .

U.S. Patent granted. Date: 2-8-77 ; No.: 4,007,009 .

Status of patent application if not yet granted: _____ .
If U.S. patent has been denied or the application has been abandoned, has
the invention been disclosed in a publication? _____ .

If so: Journal title: _____ ; Date: _____ .

FIRST LICENSEE: _____ ; Date of license: _____ .

Total license payments to grantee before Oct. 1, 1976: \$ _____ .

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____ ; Oct. 1, 1977
to Sep. 30, 1978: \$ _____ ; Oct. 1, 1978 to Sep. 30, 1979: \$ _____ .

Has the invention been put into commercial use under this license? _____ .
If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____ ;
Description:

SECOND LICENSEE: _____ ; Date of license: _____ .

Total license payments to grantee before Oct. 1, 1976: \$ _____ .

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____ ; Oct. 1, 1977
to Sep. 30, 1978: \$ _____ ; Oct. 1, 1978 to Sep. 30, 1979: \$ _____ .

Has the invention been put into commercial use under this license? _____ .
If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____ ;
Description:

Please provide above information for further licenses on the back, and
check here: _____. Is invention available to other licensees? _____.
Are you still actively seeking licensees? Yes No _____ .

FOREIGN PATENT STATUS

Country of filing	Filing date	Filing No.	Date Granted	Patent No.
Canada	2/1/77	270,802		

NOTE: Invention not within scope of
NSF IPA

OMB NO. 99-R0308
APPROVAL EXPIRES:
April 30, 1981

STATUS OF NSF-FUNDED INVENTION

NSF File Number: 73-39 Disclosure Date: 6/10/73 Waiver Date:

Grantee Institution: Wisconsin Inventor(s): Ferry & Kramer

Invention Title: Soft Rubbery Materials with Extremely High Damping Capabilities

Individual or Organization seeking licensees for invention:

WARF

U.S. Patent Application filed. Date: 2/20/73; S.N.: 333,957.

U.S. Patent granted. Date: _____; No.: _____.

Status of patent application if not yet granted: abandoned 7/9/75.

If U.S. patent has been denied or the application has been abandoned, has the invention been disclosed in a publication? yes.

If so: Journal title: Journal of Polymer Science -; Date: _____.

Vol. 12, p. 2361, 1974; Vol. 13, p. 1675 & 1687, 1975

FIRST LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977 to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.

If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____;

Description:

SECOND LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977 to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.

If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____;

Description:

Please provide above information for further licenses on the back, and check here: _____. Is invention available to other licensees? _____.

Are you still actively seeking licensees? Yes _____ No _____.

FOREIGN PATENT STATUS

Country of filing	Filing date	Filing No.	Date Granted	Patent No.
Canada	2/18/74	192,808)	
France	2/19/74	74.05493)	
W. Germany	2/20/74	P2408152.5)	all patent applications
Great Britain	2/18/74	7191/74)	abandoned
Italy	2/20/74	48547A/74)	
Japan	2/20/74	20,372/1974)	

NOTE: Invention not within scope of
NSF IPA

OMB NO. 99-R0308
APPROVAL EXPIRES:
April 30, 1981

STATUS OF NSF-FUNDED INVENTION

NSF File Number: 73-14 Disclosure Date: 8/16/72 Waiver Date: NSF Determination - 4/6/73

Grantee Institution: Wisconsin Inventor(s): Ray J. King

Invention Title: Variable Traveling Wave Antennas with Electronically Controllable Scanning

Individual or Organization seeking licensees for invention:

WARF

U.S. Patent Application filed. Date: ~~9/18/73~~; S.N.: ~~397,082 - abandoned~~;
10/3/75 619,410 - c-i-p of
 U.S. Patent granted. Date: _____; No.: _____ SN 397,082

Status of patent application if not yet granted: Application in condition for allowance.
If U.S. patent has been denied or the application has been abandoned, has the invention been disclosed in a publication? _____.

If so: Journal title: _____; Date: _____.

FIRST LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977 to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.
If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____;
Description:

SECOND LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977 to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.
If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____;
Description:

Please provide above information for further licenses on the back, and check here: _____. Is invention available to other licensees? _____.
Are you still actively seeking licensees? Yes _____ No _____.

FOREIGN PATENT STATUS

Country of filing	Filing date	Filing No.	Date Granted	Patent No.
Canada	9/16/74	209,260	3/15/77	1006974

NOTE: Invention not within scope of
NSF IPA

OMB NO. 99-R0308
APPROVAL EXPIRES:
April 30, 1981

STATUS OF NSF-FUNDED INVENTION

NSF File Number: 69-42 Disclosure Date: Waiver Date:
Grantee Institution: Wisconsin Inventor(s): Larsen & Gil-Arno

Invention Title: Process of Separation of Hafnium from Zirconium

Individual or Organization seeking licensees for invention:

WARF

U.S. Patent Application filed. Date: 2/7/69; S.N.: 797,683.

U.S. Patent granted. Date: 5/22/73; No.: 3,734,689.

Status of patent application if not yet granted: _____.

If U.S. patent has been denied or the application has been abandoned, has
the invention been disclosed in a publication? _____.

If so: Journal title: _____; Date: _____.

FIRST LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977
to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.

If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____;

Description:

SECOND LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977
to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.

If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____;

Description:

Please provide above information for further licenses on the back, and
check here: _____. Is invention available to other licensees? _____.

Are you still actively seeking licensees? Yes _____ No x _____.

FOREIGN PATENT STATUS

Country of filing Filing date Filing No. Date Granted Patent No.

NOTE: Invention not within scope of
NSF IPA

OMB NO. 99-R0308
APPROVAL EXPIRES:
April 30, 1981

STATUS OF NSF-FUNDED INVENTION

NSF File Number: 75-58 Disclosure Date: 7/71 Waiver Date:

Grantee Institution: Wisconsin Inventor(s): Arthur S. Lodge

Invention Title: Flow Meter for Non-Newtonian Liquids

Individual or Organization seeking licensees for invention:

U.S. Patent Application filed. Date: 7/29/71; S.N.: 167,254.

U.S. Patent granted. Date: 12/11/73; No.: 3,777,549.

Patent reassigned to Lodge - 2/26/75
Status of patent application if not yet granted: _____.

If U.S. patent has been denied or the application has been abandoned, has
the invention been disclosed in a publication? _____.

If so: Journal title: _____; Date: _____.

FIRST LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977
to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.

If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____;

Description:

SECOND LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977
to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.

If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____;

Description:

Please provide above information for further licenses on the back, and
check here: _____. Is invention available to other licensees? _____.

Are you still actively seeking licensees? Yes _____ No _____.

FOREIGN PATENT STATUS

Country of filing	Filing date	Filing No.	Date Granted	Patent No.
Canada	7/27/72	148,142)	
Germany	7/25/72	P2236572.6)	Patent applications reassigned
Japan	7/28/72	75,804/72)	to Lodge - 2/26/75

NOTE: Invention not within scope of
NSF IPA

OMB NO. 99-R0308
APPROVAL EXPIRES:
April 30, 1981

STATUS OF NSF-FUNDED INVENTION

NSF File Number: 74-17 Disclosure Date: Waiver Date:
Grantee Institution: Wisconsin Inventor(s): Vanderheiden, Lamers et al

Invention Title: Auto-Monitoring Commercial Devices for Handicapped Persons

Individual or Organization seeking licensees for invention:

Invention dropped by WARF 9/1/72; WARF did not file patent application.

U.S. Patent Application filed. Date: 4/73; S.N.: 353,462.

U.S. Patent granted. Date: _____; No.: _____.

Status of patent application if not yet granted: _____.
If U.S. patent has been denied or the application has been abandoned, has
the invention been disclosed in a publication? _____.

If so: Journal title: _____; Date: _____.

FIRST LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977
to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.
If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____;
Description:

SECOND LICENSEE: _____; Date of license: _____.

Total license payments to grantee before Oct. 1, 1976: \$ _____.

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____; Oct. 1, 1977
to Sep. 30, 1978: \$ _____; Oct. 1, 1978 to Sep. 30, 1979: \$ _____.

Has the invention been put into commercial use under this license? _____.
If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____;
Description:

Please provide above information for further licenses on the back, and
check here: _____. Is invention available to other licensees? _____.
Are you still actively seeking licensees? Yes _____ No _____.

FOREIGN PATENT STATUS

Country of filing Filing date Filing No. Date Granted Patent No.

NOTE: Invention not within scope of
NSF IPA

OMB NO. 99-R0308
APPROVAL EXPIRES:
April 30, 1981

STATUS OF NSF-FUNDED INVENTION

NSF File Number: 70-10 Disclosure Date: 9/18/69 Waiver Date: NSF Determination - 5/8/70

Grantee Institution: Wisconsin Inventor(s): Walters & ~~Bruhn~~ Bruhns

Invention Title: An Electronically-Controlled Current Injection Spark Source for
Basic and Applied Emission Spectrometry

Individual or Organization seeking licensees for invention:

WARF

U.S. Patent Application filed. Date: 2/4/70 ; S.N.: 8,462 .

U.S. Patent granted. Date: 4/4/72 ; No.: 3,653,766 .

Status of patent application if not yet granted: _____ .

If U.S. patent has been denied or the application has been abandoned, has the invention been disclosed in a publication? _____ .

If so: Journal title: _____ ; Date: _____ .

FIRST LICENSEE: Jarrell-Ash ; Date of license: 7/1/71 .

Total license payments to grantee before Oct. 1, 1976: \$1,000 .

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ -- ; Oct. 1, 1977 to Sep. 30, 1978: \$ -- ; Oct. 1, 1978 to Sep. 30, 1979: \$ -- .

Has the invention been put into commercial use under this license? _____ .

If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____ ;

Description:

SECOND LICENSEE: _____ ; Date of license: _____ .

Total license payments to grantee before Oct. 1, 1976: \$ _____ .

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____ ; Oct. 1, 1977 to Sep. 30, 1978: \$ _____ ; Oct. 1, 1978 to Sep. 30, 1979: \$ _____ .

Has the invention been put into commercial use under this license? _____ .

If so, give date and describe briefly; if not, describe any intended commercial use (use back for extended comments). Date: _____ ;

Description:

Please provide above information for further licenses on the back, and check here: _____. Is invention available to other licensees? x .

Are you still actively seeking licensees? Yes x No _____ .

FOREIGN PATENT STATUS

Country of filing	Filing date	Filing No.	Date Granted	Patent No.
Canada	12/3/70	099,785	6/19/73	928,772
Canada (Div.)	11/23/72	157,302	10/2/73	934,811

NOTE: Invention not within scope of
NSF IPA

OMB NO. 99-R0308
APPROVAL EXPIRES:
April 30, 1981

STATUS OF NSF-FUNDED INVENTION

NSF File Number: 72-50 Disclosure Date: 3/20/72 Waiver Date: NSF Determination - 8/11/72
Grantee Institution: U. of Wisconsin Inventor(s): Walters, Goldstein & Eaton
Invention Title: Method & Apparatus for Spark Spectroscopy
Individual or Organization seeking licensees for invention:

WARF

U.S. Patent Application filed. Date: 2/4/72 ; S.N.: 223,605 .

U.S. Patent granted. Date: 6/11/74 ; No.: 3,815,995 .

Status of patent application if not yet granted: _____
If U.S. patent has been denied or the application has been abandoned, has
the invention been disclosed in a publication? _____ .

If so: Journal title: _____ ; Date: _____ .

FIRST LICENSEE: _____ ; Date of license: _____ .

Total license payments to grantee before Oct. 1, 1976: \$ _____ .

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____ ; Oct. 1, 1977
to Sep. 30, 1978: \$ _____ ; Oct. 1, 1978 to Sep. 30, 1979: \$ _____ .

Has the invention been put into commercial use under this license? _____ .
If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____ ;
Description:

SECOND LICENSEE: _____ ; Date of license: _____ .

Total license payments to grantee before Oct. 1, 1976: \$ _____ .

Payments from Oct. 1, 1976 to Sep. 30, 1977: \$ _____ ; Oct. 1, 1977
to Sep. 30, 1978: \$ _____ ; Oct. 1, 1978 to Sep. 30, 1979: \$ _____ .

Has the invention been put into commercial use under this license? _____ .
If so, give date and describe briefly; if not, describe any intended
commercial use (use back for extended comments). Date: _____ ;
Description:

Please provide above information for further licenses on the back, and
check here: _____. Is invention available to other licensees? _____.
Are you still actively seeking licensees? Yes x No _____ .

FOREIGN PATENT STATUS

Country of filing Filing date Filing No. Date Granted Patent No.