

2-27-02

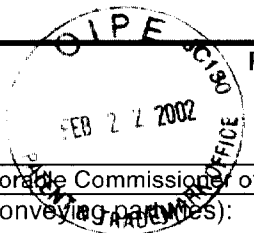
SUBSTITUTE FORM PTO-1595

RECORDATION FORM COVER SHEET

03-08-2002

COMMERCIAL MARK OFFICE

PATENTS ONLY



102006584

To the Honorable Commissioner of Patents and Trademarks: Please record

eof.

1. Name of conveying party(ies):

2. Name a. 102006584

NORTHWESTERN UNIVERSITY

Name: UNITED STATES AIR FORCE

2-28-02

Additional name(s) of conveying party(ies) attached? Yes No

Internal Address: AFRL/IFOJ

3. Nature of conveyance:

Street Address: 26 ELECTRONIC PARKWAY

- Assignment
- Security Agreement
- Other Confirmatory License
- Merger
- Change of Name

City: ROME

Execution Date(s): 24 JANUARY 2002

State: NEW YORK Zip: 13441-4514

This instrument should be recorded on the governmental register in accordance with 37 CFR 7.1(e)(1).

Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s):
09/770,541; 09/773,211; 09/812,399

B. Patent No.(s):

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

6. Total number of applications and patents involved:

1

Name: AFRL/IFOJ

7. Total fee (37 CFR 3.41)\$ 0

Internal Address: _____

Enclosed Not applicable

Street Address: 26 ELECTRONIC PARKWAY

The instrument to be recorded is not an instrument affecting title (37 CFR 7.1(e)(2) and (j)).

City: ROME

8. Deposit account number:

State: NEW YORK ZIP: 13441-4514

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

JUDITH M. DECKER
Name of person signing

Jessie M. Decker
Signature

2/8/02
Date

Total number of pages including cover sheet, attachments, and document:

4

LRR

LICENSE TO THE UNITED STATES GOVERNMENT

WHEREAS, Prithviraj Banerjee, Alok Choudhary, Malay Halidar and Anshuman Nayak, of NORTHWESTERN UNIVERSITY have invented an invention entitled, *Method and Apparatus For Automatically Generating Hardware from Algorithms Described In Matlab* and filed a patent application thereon in the United States bearing Serial No. 09/770,541 on January 26, 2001; and

WHEREAS, the invention was made in the course of research supported by the Defense Advanced Research Projects Agency contract number F30602-98-2-0144; and

WHEREAS, the United States Government is entitled to certain rights in and to said invention and application by reason of the terms of such support; and

WHEREAS, NORTHWESTERN UNIVERSITY, hereinafter called the "Licensor", has acquired by assignment from the inventor the entire right, title and interest of such invention;

NOW, THEREFORE

1. The Licensor, in consideration of the premises and other good and valuable considerations, hereby grants and conveys to the United States Government (including any agency thereof, state, or domestic municipal government) a royalty-free, non-exclusive, and irrevocable license to make, use and sell for any governmental purposes, and on behalf of any foreign government pursuant to any existing or future treaty or agreement with the United States of America, embodiments of the invention described in the aforesaid application and in any and all divisions, continuations and continuations-in-part thereof, and in any and all reissues thereof, during the full term or terms thereof.

2. The Licensor covenants and warrants that it has the right to grant the foregoing license, and that any assignment which it may make of the invention or the said patent applications or patents thereon, shall expressly be made subject to this license.

3. The Licensor agrees that the Government shall not be estopped at any time to contest the enforceability, validity, scope of, or title to any patent or patent application herein licensed.

NORTHWESTERN UNIVERSITY

Dated: January 24, 2002

By: Indrani Mukharji
Indrani Mukharji, Ph.D.
Executive Director
Technology Transfer Program

Northwestern University
1880 Oak Avenue – Suite 100
Evanston, IL 60208-111

LICENSE TO THE UNITED STATES GOVERNMENT

WHEREAS, Prithviraj Banerjee, Pramod Joisha and Nagaraj Shenoy, of NORTHWESTERN UNIVERSITY have invented an invention entitled, *Method for Array Shape Inference for a Class of Functions in Matlab* and filed a patent application thereon in the United States bearing Serial No. 09/773,211 on January 31, 2001; and

WHEREAS, the invention was made in the course of research supported by the Defense Advanced Research Projects Agency contract number F30602-98-2-0144; and

WHEREAS, the United States Government is entitled to certain rights in and to said invention and application by reason of the terms of such support; and

WHEREAS, NORTHWESTERN UNIVERSITY, hereinafter called the "Licensor", has acquired by assignment from the inventor the entire right, title and interest of such invention;

NOW, THEREFORE

1. The Licensor, in consideration of the premises and other good and valuable considerations, hereby grants and conveys to the United States Government (including any agency thereof, state, or domestic municipal government) a royalty-free, non-exclusive, and irrevocable license to make, use and sell for any governmental purposes, and on behalf of any foreign government pursuant to any existing or future treaty or agreement with the United States of America, embodiments of the invention described in the aforesaid application and in any and all divisions, continuations and continuations-in-part thereof, and in any and all reissues thereof, during the full term or terms thereof.

2. The Licensor covenants and warrants that it has the right to grant the foregoing license, and that any assignment which it may make of the invention or the said patent applications or patents thereon, shall expressly be made subject to this license.

3. The Licensor agrees that the Government shall not be estopped at any time to contest the enforceability, validity, scope of, or title to any patent or patent application herein licensed.

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LICENSE TO THE UNITED STATES GOVERNMENT

WHEREAS, Prithviraj Banerjee, Malay Haldar, Anshuman Nayak, Alok Choudhary and Nagaraj Shenoy, of NORTHWESTERN UNIVERSITY have invented an invention entitled, *Design System and Method to Compile Matlab Programs on Heterogeneous Platforms Comprising FPGAs and Embedded Processors* and filed a patent application thereon in the United States bearing Serial No. 09/812,399 on March 19, 2001; and

WHEREAS, the invention was made in the course of research supported by the Defense Advanced Research Projects Agency contract number F30602-98-2-0144; and

WHEREAS, the United States Government is entitled to certain rights in and to said invention and application by reason of the terms of such support; and

WHEREAS, NORTHWESTERN UNIVERSITY, hereinafter called the "Licensor", has acquired by assignment from the inventor the entire right, title and interest of such invention;

NOW, THEREFORE

1. The Licensor, in consideration of the premises and other good and valuable considerations, hereby grants and conveys to the United States Government (including any agency thereof, state, or domestic municipal government) a royalty-free, non-exclusive, and irrevocable license to make, use and sell for any governmental purposes, and on behalf of any foreign government pursuant to any existing or future treaty or agreement with the United States of America, embodiments of the invention described in the aforesaid application and in any and all divisions, continuations and continuations-in-part thereof, and in any and all reissues thereof, during the full term or terms thereof.

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