U.S. DEPARTMENT OF COMMERCE

United States Patent and Trademark Office

Form PTO-1595 (Rev. 08/05) Doc Code: S-111,362 OMB No. 0651-0027 (exp. 6/30/2008) RECORDATION FORM COVER SHEET **PATENTS ONLY** To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)	Name and address of receiving party(ies) Name: <u>U.S. Department of Energy</u>		
INTERNATIONAL BUSINESS MACHINES CORPORATION			
	Internal Address: GC-62 6F-067		
Additional name(s) of conveying party(ies) attached? Yes No Nature of conveyance/Execution Date(s):	Street Address: 1000 Independence Avenue, S.W.		
Execution Date(s) 1/10/2008			
☐ Assignment ☐ Merger	City: Washington		
☐ Security Agreement☐ Change of Name☐ Joint Research Agreement	State: D.C.		
☐ Government Interest Assignment	Country: Zip: 20585-0162		
Other	Additional name(s) & address(es) attached? Yes No		
4. Application or patent number(s):	document is being filed together with a new application.		
A. Patent Application No.(s)	B. Patent No.(s)		
11/968,692			
Additional average as	hankada 🗖 Van - 159 Na		
Additional numbers at Name and address to whom correspondence	ached? ☐ Yes ☑ No 6. Total number of applications and patents		
5. Name and address to whom correspondence concerning document should be mailed:	involved:		
Name: Brenda K. Banks	7. Total fee (37 CFR 1.21(h) & 3.41) \$		
Internal Address: GC-62 6F-067	Authorized to be charged by credit card Authorized to be charged to deposit account		
U.S. Department of Energy			
Street Address: 1000 Independence Avenue, S.W.	☐ Enclosed ☑ None required (government interest not affecting title)		
City: Washington	8. Payment Information		
State: D.C. Zip: 20585-0162	a. Credit Card Last 4 Numbers		
Phone Number: 202-586-2802	Expiration Date		
Fax Number: 202-586-2805	b. Deposit Account Number		
Email Address: brenda.banks@hq.doe.gov	Authorized User Name		
. Signature: My Jan Bank	3/18/08		
/ Signature	Date		
Brenda K. Banks	Total number of pages including 2		
Name of Person Signing			

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

> **PATENT REEL: 020669 FRAME: 0862**

→ PTO RECORDATIONS 🛭 002/002

11/968,692

CONFIRMATORY INSTRUMENT

APPLICATION FOR (<u>METHOD AND SYSTEM FOR A WIRING-EFFICIENT PERMUTE</u> <u>UNIT)</u>

INVENTOR(S): Bruce M. Fleischer, Hung C. Ngo, Jun Sawada

SERIAL NO. 11/968692	FILING DATE: 01/03/2008
CONTRACTOR: INTERNATIONAL BUSINESS MACHINES CORPORATION	CONTRACT NO. B554331

The Invention identified above is a "Subject Invention" under the Patent Rights Clause included in the above contract with:

<u>Darpa</u>			
(SPECIFY	GOVT.	AGENCY	HERE)

This document is confirmatory of the paid-up license granted to the Government under the above contract in the Subject Invention, this patent application and any resulting patent(s), and of all other rights acquired by the Government by the referenced clause.

The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.

BY:

	inth		
Signed this _	10th	_ day ofJanuary	2008

INTERNATIONAL BUSINESS MACHINES CORPORATION

CONTRACTOR/

CONTRACTOR'S OFFICIAL AND TITLE

John D. Flynn Senior Counsel

IBM Disclosure No.: AUS820070980

RECORDED: 03/18/2008

North Castle Drive

Armonk, New York 10504

IBM Docket No.: <u>AUS920070568US1</u> BUSINESS ADDRESS

PATENT REEL: 020669 FRAME: 0863