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Washington, D.C. 20231

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CONFIRMATORY INSTRUMENT APPLICATION FOR: Data Processing System, Processor and Method for Implementing Cache Management for Partial Cache Line Operations INVENTOR(S): Lakshminarayana B. Arimilli, Ravi K. Arimilli, Jerry D. Lewis, Warren E. Maule SERIAL NO. FILING DATE: 02/01/2008 12/024447 CONTRACTOR: CONTRACT NO. HR0011-07-9-0002 INTERNATIONAL BUSINESS MACHINES CORPORATION The Invention identified above is a "Subject Invention" under the Patent Rights Clause included in the above contract with: DARPA (DEFENSE ADVANCED RESEARCH PROJECTS AGENCY) (SPECIFY GOV'T. 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. February, 2008 Signed this \_\_\_ day of \_\_\_ INTERNATIONAL BUSINESS MACHINES CORPORATION CONTRACTOR BY: CONTRACTOR'S OFFICIAL AND TITLE

John D Flynn IP Senior Counsel - STG

**IBM** 

**BUSINESS ADDRESS** 

11501 Burnet Road Austin, TX 78758

IBM Disclosure No.: AUS820071681 IBM Docket No.: AUS920070946US1

> PATENT REEL: 020813 FRAME: 0988

## **CONFIRMATORY INSTRUMENT**

APPLICATION FOR: <u>Data Processing System</u>, <u>Processor and Method for Implementing</u>
Cache Management for Partial Cache Line Operations

INVENTOR(S): Lakshminarayana B. Arimilli, Ravi K. Arimilli, Jerry D. Lewis, Warren E. Maule

SERIAL NO. 12/024447	FILING DATE: 02/01/2008
CONTRACTOR: INTERNATIONAL BUSINESS MACHINES CORPORATION	CONTRACT NO. HR0011-07-9-0002

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Signed this \_\_\_\_ lyth day of \_\_\_ tebruary, 2008

INTERNATIONAL BUSINESS

MACHINES CORPORATION

CONTRACTOR

CONTRACTOR'S OFFICIAL AND TITLE

John D Flynn IP Senior Counsel - STG IBM

BUSINESS ADDRESS 11501 Burnet Road Austin, TX 78758

IBM Disclosure No.: AUS820071681
IBM Docket No.: AUS920070946US1

PATENT REEL: 020813 FRAME: 0989 Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

**RECORDED: 04/07/2008** 

APR 2

Attention: Register of Government Interest in Patents

Dear Sir:

Forwarded herewith is a cover sheet (as required by 37 CFR 3.31) and two copies of an instrument confirming the conveyance to the United States Government of certain rights in and to U.S. Patent Application Serial Number 12/024,447 filed on February 1, 2008.

This instrument is forwarded in accordance with Executive Order No. 9424 and 37 CFR Part 7 for recording in the Public portion of the Register of Government Interests.

After the enclosed license is recorded, please return the original to:

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Sincerely,

Kimberly B. Downey

Program Support Specialist Office of the General Counsel

Limber by & Downey

PATENT REEL: 020813 FRAME: 0990