

## PATENT ASSIGNMENT

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| SUBMISSION TYPE:   | NEW ASSIGNMENT                             |
| NATURE OF CONVEYANCE:  | EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE |
| CONVEYING PARTY DATA   |  |
| Name   | Execution Date                             |
| INTERNATIONAL BUSINESS MACHINES CORPORATION  | 03/26/2013                                 |
| RECEIVING PARTY DATA   |  |
| Name:  | U.S. DEPARTMENT OF ENERGY                  |
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| City:  | WASHINGTON                                 |
| State/Country:   | DISTRICT OF COLUMBIA                       |
| Postal Code:   | 20585                                      |
| PROPERTY NUMBERS Total: 1  |  |
| Property Type  | Number                                     |
| Application Number:  | 13795854                                   |
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| Date:  | 06/10/2013                                 |
| Total Attachments: 1<br>source=S-129720 - Confirmatory License#page1.tif             |  |

## CONFIRMATORY INSTRUMENT

APPLICATION FOR:

IDENTIFYING LOGICAL PLANES FORMED OF COMPUTE NODES OF A  
SUBCOMMUNICATOR IN A PARALLEL COMPUTER

INVENTOR(S): Kristan D. Davis, DANIEL A FARAJ

|   |                                |
|---|--------------------------------|
| SERIAL NO.<br><b>13/795,854</b>                               | FILING DATE:<br>March 12, 2013 |
| CONTRACTOR:<br>INTERNATIONAL BUSINESS<br>MACHINES CORPORATION | CONTRACT NO.<br><b>B554331</b> |

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

United States Department of Energy  
(SPECIFY GOV'T AGENCY HERE)

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Signed this 26 day of March, 2013

INTERNATIONAL BUSINESS  
MACHINES CORPORATION  
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**RECORDED: 06/10/2013**

**PATENT**  
**REEL: 030583 FRAME: 0352**