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To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
**Jose Luis Pontes Correia Neves**  
**Jiyoun Kim**

2. Name and address of receiving party(ies):

Name: **International Business Machines Corporation**

Internal Address:

16834 U.S. PITO  
10/716772

Street Address: **New Orchard Road**

City: **Armonk** State: **NY** ZIP: **10504**

Additional names(s) of conveying party(ies)  Yes  No

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other

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

Execution Date: **11-19-03, 11-19-03**

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

10716772

If this document is being filed together with a new application, the execution date of the application is: **11-19-03, 11-19-03**

A. Patent Application No.(s)

EXPRESS MAIL NO.: **ER 408659660DS**  
I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE U.S. POSTAL SERVICE AS EXPRESS MAIL IN AN ENVELOPE ADDRESSED TO: COMMISSIONER OF PATENTS AND TRADEMARKS, WASHINGTON, D.C. 20231 APPLICANT AND/OR ATTORNEY REQUESTS THE DATE OF DEPOSIT AS THE FILE DATE.

B. Patent No.(s)

DATE OF DEPOSIT: **11/19/03** Additional numbers attached?  Yes  No

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

Name: **Jay H. Anderson**

Internal Address: **Customer No. 32074**

**11/28/2003 LNUELLER 00000135 090458 10716772**

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6. Total number of applications and patents involved: **1**

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

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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.

**Jay H. Anderson, Reg. No. 38,371**

**19 November 03**

Name of Person Signing

Signature

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Total number of pages including cover sheet, attachments, and document: **3**

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**PATENT**  
**REEL: 014727 FRAME: 0237**

PATENT  
DOCKET NO. FIS920030387US1

### PATENT ASSIGNMENT FORM

For and in consideration of good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned inventor acknowledges his/her prior and ongoing obligation to sell, assign, and transfer, and agrees to sell, assign, and transfer the entire world wide right, title and interest for the United States and all foreign countries, in and to any and all inventions and improvements conceived during and within the scope of his/her employment, and further acknowledges that he/she has sold, assigned, and transferred, and hereby sells, assigns, and transfers, unto:

**INTERNATIONAL BUSINESS MACHINES CORPORATION ("IBM"),  
Armonk, New York 10504**

a corporation of New York, and IBM desires to acquire all right, title, and interest, in and to the certain inventions (identified below), applications, and any United States and foreign patents to be obtained therefor relating to:

Title of Invention for **A METHOD TO IDENTIFY GEOMETRICALLY NON-OVERLAPPING OPTIMIZATION PARTITIONS FOR PARALLEL TIMING CLOSURE**

United States Patent

as set forth in United States Patent Application executed by each undersigned inventor on the date indicated by each inventor signature below, and further identified by Attorney Docket Number FIS920030387US1:

(select one):  executed concurrently herewith or  Serial No. \_\_\_\_\_ Filed on \_\_\_\_\_

for and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States and foreign patents and all rights of priority to be obtained therefor which may issue on any such application or for said invention therein disclosed, including any and all reissues or extensions thereof, to be held and enjoyed by, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

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This assignment is governed by the substantive laws of the state of New York.

PATENT  
DOCKET NO. FIS920030387US1

Executed by Inventor 1 of 2

Signature: Jose Luis P. Correia Neves Date: 11/19/2003  
Jose Luis Pontes Correia Neves

Executed by Inventor 2 of 2

Signature: Jiyoun Kim Date: 11/19/2003