

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT                              |               |                |                     |            |                    |            |                    |            |               |            |                            |            |                      |            |
|---|---|---------------|----------------|---------------------|------------|--------------------|------------|--------------------|------------|---------------|------------|----------------------------|------------|----------------------|------------|
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT                                  |               |                |                     |            |                    |            |                    |            |               |            |                            |            |                      |            |
| <b>CONVEYING PARTY DATA</b>   |   |               |                |                     |            |                    |            |                    |            |               |            |                            |            |                      |            |
| <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Kevin Beck</td> <td>07/19/2004</td> </tr> <tr> <td>Paul Michael Brett</td> <td>07/19/2004</td> </tr> <tr> <td>Jeffrey James Goss</td> <td>07/16/2004</td> </tr> <tr> <td>Dieu Auang La</td> <td>07/16/2004</td> </tr> <tr> <td>Catherine Suzanne McArthur</td> <td>07/16/2004</td> </tr> <tr> <td>William T. O'Connell</td> <td>07/19/2004</td> </tr> </tbody> </table> |   | Name          | Execution Date | Kevin Beck          | 07/19/2004 | Paul Michael Brett | 07/19/2004 | Jeffrey James Goss | 07/16/2004 | Dieu Auang La | 07/16/2004 | Catherine Suzanne McArthur | 07/16/2004 | William T. O'Connell | 07/19/2004 |
| Name  | Execution Date                              |               |                |                     |            |                    |            |                    |            |               |            |                            |            |                      |            |
| Kevin Beck  | 07/19/2004                                  |               |                |                     |            |                    |            |                    |            |               |            |                            |            |                      |            |
| Paul Michael Brett  | 07/19/2004                                  |               |                |                     |            |                    |            |                    |            |               |            |                            |            |                      |            |
| Jeffrey James Goss  | 07/16/2004                                  |               |                |                     |            |                    |            |                    |            |               |            |                            |            |                      |            |
| Dieu Auang La   | 07/16/2004                                  |               |                |                     |            |                    |            |                    |            |               |            |                            |            |                      |            |
| Catherine Suzanne McArthur  | 07/16/2004                                  |               |                |                     |            |                    |            |                    |            |               |            |                            |            |                      |            |
| William T. O'Connell  | 07/19/2004                                  |               |                |                     |            |                    |            |                    |            |               |            |                            |            |                      |            |
| <b>RECEIVING PARTY DATA</b>   |   |               |                |                     |            |                    |            |                    |            |               |            |                            |            |                      |            |
| <b>Name:</b>  | International Business Machines Corporation |               |                |                     |            |                    |            |                    |            |               |            |                            |            |                      |            |
| <b>Street Address:</b>  | New Orchard Road                            |               |                |                     |            |                    |            |                    |            |               |            |                            |            |                      |            |
| <b>City:</b>  | Armonk                                      |               |                |                     |            |                    |            |                    |            |               |            |                            |            |                      |            |
| <b>State/Country:</b>   | NEW YORK                                    |               |                |                     |            |                    |            |                    |            |               |            |                            |            |                      |            |
| <b>Postal Code:</b>   | 10504                                       |               |                |                     |            |                    |            |                    |            |               |            |                            |            |                      |            |
| <b>PROPERTY NUMBERS Total: 1</b>  |   |               |                |                     |            |                    |            |                    |            |               |            |                            |            |                      |            |
| <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>10923547</td> </tr> </tbody> </table>   |   | Property Type | Number         | Application Number: | 10923547   |                    |            |                    |            |               |            |                            |            |                      |            |
| Property Type   | Number                                      |               |                |                     |            |                    |            |                    |            |               |            |                            |            |                      |            |
| Application Number:   | 10923547                                    |               |                |                     |            |                    |            |                    |            |               |            |                            |            |                      |            |
| <b>CORRESPONDENCE DATA</b>  |   |               |                |                     |            |                    |            |                    |            |               |            |                            |            |                      |            |
| <b>Fax Number:</b>  | (408)463-4827                               |               |                |                     |            |                    |            |                    |            |               |            |                            |            |                      |            |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>  |   |               |                |                     |            |                    |            |                    |            |               |            |                            |            |                      |            |
| <b>Phone:</b>   | 4084635670                                  |               |                |                     |            |                    |            |                    |            |               |            |                            |            |                      |            |
| <b>Email:</b>   | nickyl@us.ibm.com                           |               |                |                     |            |                    |            |                    |            |               |            |                            |            |                      |            |
| <b>Correspondent Name:</b>  | IBM Corporation                             |               |                |                     |            |                    |            |                    |            |               |            |                            |            |                      |            |
| <b>Address Line 1:</b>  | 555 Bailey Ave, IPLaw, G4                   |               |                |                     |            |                    |            |                    |            |               |            |                            |            |                      |            |
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| <b>NAME OF SUBMITTER:</b>   | Nicola J. Lambert                           |               |                |                     |            |                    |            |                    |            |               |            |                            |            |                      |            |

**CH \$40.00 10923547**

Total Attachments: 4

**500012840**

**PATENT  
 REEL: 015390 FRAME: 0049**

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source=CA920030128US1 Executed Assignment#page4.tif

# ASSIGNMENT

Whereas I/we

INVENTOR/CITY  
COUNTY/STATE

- |  |  |
|--|--|
| (1) <b>Kevin Leo Beck</b><br>County of <b>Multnomah</b>      | City of <b>Portland</b><br>State of <b>Oregon</b>              |
| (2) <b>Paul Michael Brett</b><br>County of <b>Washington</b> | City of <b>Portland</b><br>State of <b>Oregon</b>              |
| (3) <b>Jeffrey James Goss</b><br>County of                   | City of <b>Toronto</b><br>Province of <b>Ontario, Canada</b>   |
| (4) <b>Dieu Quang La</b><br>County of                        | City of <b>Markham</b><br>Province of <b>Ontario, Canada</b>   |
| (5) <b>Catherine Suzanne McArthur</b><br>County of           | City of <b>Uxbridge</b><br>Province of <b>Ontario, Canada</b>  |
| (6) <b>William T. O'Connell</b><br>County of                 | City of <b>Etobicoke</b><br>Province of <b>Ontario, Canada</b> |

have invented certain improvements in

TITLE

**METHOD, SYSTEM, AND PROGRAM FOR ONLINE INCREMENTAL DEFERRED INTEGRITY MAINTENANCE OF ROLLED IN AND ROLLED OUT DATA**

and executed, respectively, a United States patent application therefor on the following date(s):

DATE(S) THAT  
INVENTOR(S)  
SIGNED THE  
DECLARATION

- |                        |           |
|------------------------|-----------|
| (1) <u>19 Jul 2004</u> | (2) _____ |
| (3) <u>19 JUL 2004</u> | (4) _____ |
| (5) _____              | (6) _____ |

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and I request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to IBM, its successors and assigns; and I hereby agree that IBM may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

Signed:

CITY  
DATE

|                             |   |
|-----------------------------|---|
| (1) at <u>Beaverton, OR</u> | <u></u> |
| on <u>19 Jul 2004</u>       | Kevin Leo Beck  |

ASSIGNMENT CONTINUED

CITY  
DATE

(2) at BEAVERTON, OR  
on 19 JUL 2004



Paul Michael Brett

CITY  
DATE

(3) at \_\_\_\_\_  
on \_\_\_\_\_

Jeffrey James Goss

CITY  
DATE

(4) at \_\_\_\_\_  
on \_\_\_\_\_

Dieu Quang La

CITY  
DATE

(5) at \_\_\_\_\_  
on \_\_\_\_\_

Catherine Suzanne McArthur

CITY  
DATE

(6) at \_\_\_\_\_  
on \_\_\_\_\_

William T. O'Connell

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Signed:

CITY  
DATE

(1) at \_\_\_\_\_  
on \_\_\_\_\_ Kevin Beck

**ASSIGNMENT CONTINUED**

CITY  
DATE

(2) at \_\_\_\_\_  
on \_\_\_\_\_

\_\_\_\_\_  
Paul Michael Brett

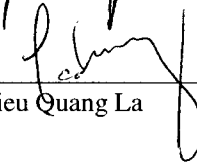
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DATE

(3) at Markham  
on July 16, 2004

  
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Jeffrey James Goss

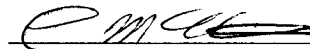
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on July 16, 2004

  
\_\_\_\_\_  
Dieu Quang La

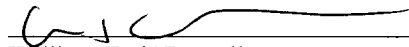
CITY  
DATE

(5) at Markham, Ont.  
on July 16, 2004

  
\_\_\_\_\_  
Catherine Suzanne McArthur

CITY  
DATE

(6) at MARKHAM ONT  
on July 19, 2004

  
\_\_\_\_\_  
William T. O'Connell