

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<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>Achim Haessler</td> <td>07/24/2008</td> </tr> <tr> <td>Markus Nosse</td> <td>07/24/2008</td> </tr> <tr> <td>Dr. Eberhard Pasch</td> <td>07/28/2008</td> </tr> <tr> <td>Hans-Werner Tast</td> <td>07/21/2008</td> </tr> <tr> <td>Elmar Zipp</td> <td>07/01/2008</td> </tr> </tbody> </table>		Name	Execution Date	Achim Haessler	07/24/2008	Markus Nosse	07/24/2008	Dr. Eberhard Pasch	07/28/2008	Hans-Werner Tast	07/21/2008	Elmar Zipp	07/01/2008
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RECEIVING PARTY DATA													
Name:	International Business Machines Corporation												
Street Address:	New Orchard Road												
City:	Armonk												
State/Country:	NEW YORK												
Postal Code:	10504												
PROPERTY NUMBERS Total: 1													
<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>12184165</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12184165								
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CORRESPONDENCE DATA													
Fax Number:	(404)572-5134												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
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ATTORNEY DOCKET NUMBER:	DE920080091US1 (105112)												
NAME OF SUBMITTER:	Kristi Rebel												

CH \$40.00 12184165

Total Attachments: 2
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ASSIGNMENT

WHEREAS, WE, **Achim Haessler**, a citizen of Germany, residing at Bussardweg 2, D-71111 Waldenbuch, Federal Republic of Germany, **Markus Nosse**, a citizen of Germany, residing at Carl-Schmincke-Str. 21, D-71229 Leonberg, Federal Republic of Germany, **Dr. Eberhard Pasch**, a citizen of Germany, residing at Elly-Heuss-Knapp-Str. 21, D-72074 Tuebingen, Federal Republic of Germany, **Hans-Werner Tast**, a citizen of Germany, residing at Hartmannstr. 66, D-71093 Weil im Schoenbuch, Federal Republic of Germany and **Elmar Zipp**, a citizen of Germany, residing at Achalmweg 7, D-72667 Schlaitdorf, Federal Republic of Germany; have invented certain inventions and improvements disclosed in an application for Letters Patent entitled "**Methods of Cache Bounded Reference Counting**"; and

WHEREAS, **International Business Machines Corporation**, a New York corporation having a principal place of business at Armonk, New York 10504 (hereinafter called IBM), is desirous of acquiring an interest in the same.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which I hereby acknowledge, WE, **Achim Haessler, Markus Nosse, Dr. Eberhard Pasch, Hans-Werner Tast, Elmar Zipp**, by these presents do sell, assign, and transfer to **IBM** the full, exclusive, and entire right, title, and interest in and to said application, in and to any divisions, continuations, reexaminations, and reissues thereof, and in and to all inventions and improvements disclosed and described in said application, preparatory to obtaining Letters Patent of the United States therefor; and I hereby request the Director of the U.S. Patent and Trademark Office to issue any and all Letters Patent of the United States resulting from said application, or from a division, continuation, reexamination, or reissue thereof, to **IBM** as the assignee, for its interest and for the sole use and benefit of **IBM** and its assigns and legal representatives;

For the same consideration, WE, **Achim Haessler, Markus Nosse, Dr. Eberhard Pasch, Hans-Werner Tast, Elmar Zipp**, by these presents, do sell, assign, and transfer to **IBM** the full, exclusive, and entire right, title, and interest in and to any foreign application or applications corresponding to said application, in whole or in part, in countries other than the United States, in and to any Letters Patent and similar protective rights granted on said foreign applications, and in and to the right to claim any applicable priority rights arising from or required for said foreign applications under the terms of any applicable conventions, treaties, statutes, or regulations; said foreign applications to be filed and issued in the name of **IBM** or its designee insofar as permitted by applicable law;

AND, for the same consideration, WE, **Achim Haessler, Markus Nosse, Dr. Eberhard Pasch, Hans-Werner Tast, Elmar Zipp**, agree to sign all lawful papers, execute all division, continuing, reexamination, reissue, and other applications, make all assignments and rightful oaths,

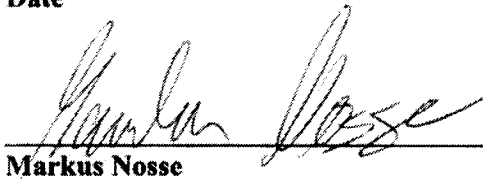
and generally do everything possible to aid **IBM**, its successors, assigns, and nominees to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.



Achim Haessler

07/24/08

Date



Markus Nosse

07/24/08

Date



Dr. Eberhard Pasch

07/28/08

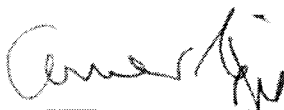
Date



Hans-Werner Tast

07/21/08

Date



Elmar Zipp

07/01/2008

Date