

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>Scott Milton Fry</td> <td>08/05/2008</td> </tr> <tr> <td>Reed Alan Hancock</td> <td>08/05/2008</td> </tr> <tr> <td>James Mitchell Karp</td> <td>08/06/2008</td> </tr> <tr> <td>Pamela Ruth Nylander-Hill</td> <td>08/06/2008</td> </tr> <tr> <td>Eiji Ogura</td> <td>08/07/2008</td> </tr> </tbody> </table>		Name	Execution Date	Scott Milton Fry	08/05/2008	Reed Alan Hancock	08/05/2008	James Mitchell Karp	08/06/2008	Pamela Ruth Nylander-Hill	08/06/2008	Eiji Ogura	08/07/2008
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Pamela Ruth Nylander-Hill	08/06/2008												
Eiji Ogura	08/07/2008												
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>12189623</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12189623								
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Application Number:	12189623												
CORRESPONDENCE DATA													
Fax Number:	(408)971-4660												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	408-971-2573												
Email:	april@zilka-kotab.com												
Correspondent Name:	Zilka-Kotab, PC												
Address Line 1:	P.O. Box 721120												
Address Line 4:	San Jose, CALIFORNIA 95172												
ATTORNEY DOCKET NUMBER:	TUC920080136US1/TUC1P005												
NAME OF SUBMITTER:	Dominic M. Kotab												

CH \$40.00 12189623

Total Attachments: 4

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ASSIGNMENT OF PATENT APPLICATION

(Not Accompanying Application)

Whereas I/we the undersigned inventor(s) have invented certain new and useful improvements as set forth in the patent application entitled:

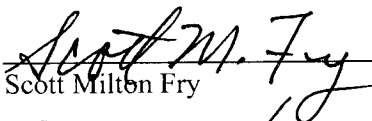

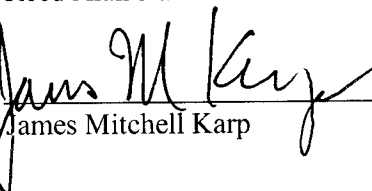
CARTRIDGE REFRESH AND VERIFY

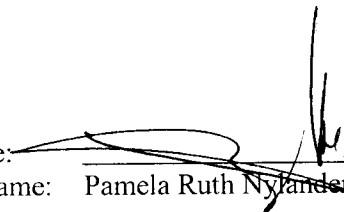
(Atty. Docket No.: TUC1P005/TUC920080136US1) for which I (we) have executed an application for a United States Letters Patent.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we the undersigned inventor(s) hereby:

- 1) Sell(s), assign(s) and transfer(s) to **International Business Machines Corporation**, a **New York** corporation having a place of business at New Orchard Road, Armonk, New York, 10504, (hereinafter referred to as "ASSIGNEE"), assigns the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and in all foreign countries, including all rights to claim priority resulting from the filing of said United States application, and to any and all improvements which are disclosed in the above referenced application.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative and applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventor(s), as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date(s) indicated beside my (our) signature(s).

- 1) Signature:  Date: 8-5-08
Typed Name: Scott Milton Fry
- 2) Signature:  Date: 5 AUG. 2008
Typed Name: Reed Alan Hancock
- 3) Signature:  Date: 8/6/08
Typed Name: James Mitchell Karp

4) Signature:  Date: 8/6/08
Typed Name: Pamela Ruth Nylander-Hill

5) Signature: _____ Date: _____
Typed Name: Eiji Ogura

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- 3) Signature: _____ Date: _____
Typed Name: James Mitchell Karp

- 4) Signature: _____ Date: _____
Typed Name: Pamela Ruth Nylander-Hill
- 5) Signature: Eiji Ogura Date: Aug. 7, 2008
Typed Name: Eiji Ogura