

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Kenneth A. Brink Jr.</td><td>04/05/2007</td></tr><tr><td>Randy S. Johnson</td><td>04/05/2007</td></tr><tr><td>Raymond T. Malkowski</td><td>04/05/2007</td></tr><tr><td>Jeffrey H. Martin</td><td>04/05/2007</td></tr><tr><td>Tedrick N. Northway</td><td>04/05/2007</td></tr><tr><td>Patrick J. Richards Jr.</td><td>04/05/2007</td></tr></tbody></table>	Name	Execution Date	Kenneth A. Brink Jr.	04/05/2007	Randy S. Johnson	04/05/2007	Raymond T. Malkowski	04/05/2007	Jeffrey H. Martin	04/05/2007	Tedrick N. Northway	04/05/2007	Patrick J. Richards Jr.	04/05/2007	
Name	Execution Date														
Kenneth A. Brink Jr.	04/05/2007														
Randy S. Johnson	04/05/2007														
Raymond T. Malkowski	04/05/2007														
Jeffrey H. Martin	04/05/2007														
Tedrick N. Northway	04/05/2007														
Patrick J. Richards Jr.	04/05/2007														
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"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11734020</td></tr></tbody></table>	Property Type	Number	Application Number:	11734020											
Property Type	Number														
Application Number:	11734020														
CORRESPONDENCE DATA															
Fax Number:	(518)449-0047														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone:	(518) 449-0044														
Email:	LCapraro@hwdpatents.com														
Correspondent Name:	Hoffman, Warnick & D'Alessandro LLC														
Address Line 1:	75 State Street 14th floor														
Address Line 4:	Albany, NEW YORK 12207														
ATTORNEY DOCKET NUMBER:	END920060089US1														
NAME OF SUBMITTER:	Joseph J. Christian														

CH \$40.00 11734020

PATENT

500263986

REEL: 019200 FRAME: 0788

**Total Attachments: 8**

source=END920060089US1\_SignedUSAssignment#page1.tif

source=END920060089US1\_SignedUSAssignment#page2.tif

source=END920060089US1\_SignedUSAssignment#page3.tif

source=END920060089US1\_SignedUSAssignment#page4.tif

source=END920060089US1\_SignedUSAssignment#page5.tif

source=END920060089US1\_SignedUSAssignment#page6.tif

source=END920060089US1\_SignedUSAssignment#page7.tif

source=END920060089US1\_SignedUSAssignment#page8.tif

**PATENT**

**REEL: 019200 FRAME: 0789**

**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:

**METHOD FOR MANAGING WIRELESS DEVICES USING LIFECYCLE ANALYSIS**

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 END920060089 US1;

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

including any and all divisionals 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;

Each undersigned inventor hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to IBM, its successors and assigns, in accordance herewith;

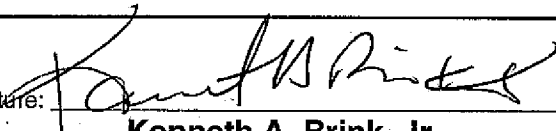
Each undersigned inventor warrants and covenants that he/she has the full and unencumbered right to sell and assign the interests hereby sold and assigned and that he/she has not executed and will not execute any document or instrument in conflict herewith;

Each undersigned inventor further covenants and agrees that he/she, upon the request and at the expense of IBM, will execute and deliver any papers, make all rightful oaths, testify in any legal proceeding relating to said inventions and improvements, communicate to IBM all facts known to the undersigned relating to such inventions and improvements and the history thereof, and perform all other lawful acts deemed necessary or desirable by IBM, and its legal representatives, to secure, maintain, and enforce patent protection for such inventions and improvements and for vesting title to such inventions and improvements in IBM, and in particular to perfect title to said above-identified certain inventions, and applications including divisionals and continuations thereof, and any and all Letters Patent which may be granted therefor or thereon, including reissues, extensions, or counterparts;

Each undersigned inventor hereby grants IBM and the firm of Hoffman, Warnick & D'Alessandro LLC the power to insert in this Assignment any further identification which may be necessary or desirable for recordation of this Assignment.

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

Executed by Inventor 1 of 7

Signature:  Date: 4-5-07  
**Kenneth A. Brink, Jr.**

Executed by Inventor 2 of 7

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
**Randy S. Johnson**

Executed by Inventor 3 of 7

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
**Raymond T. Malkowski**

Executed by Inventor 4 of 7

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
**Jeffrey H. Martin**

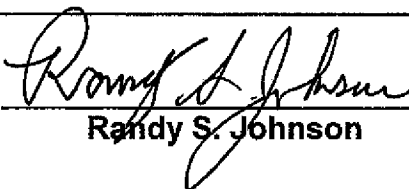
Executed by Inventor 5 of 7

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
**Tedrick N. Northway**

Executed by Inventor 1 of 7

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
**Kenneth A. Brink, Jr.**

Executed by Inventor 2 of 7

Signature:  Date: April 5, 2007  
**Randy S. Johnson**

Executed by Inventor 3 of 7

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
**Raymond T. Malkowski**

Executed by Inventor 4 of 7

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
**Jeffrey H. Martin**

Executed by Inventor 5 of 7

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
**Tedrick N. Northway**

Executed by Inventor 1 of 7

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
**Kenneth A. Brink, Jr.**

Executed by Inventor 2 of 7

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
**Randy S. Johnson**

Executed by Inventor 3 of 7

Signature: *Raymond T. Malkowski* Date: 05 APRIL 2007  
**Raymond T. Malkowski**

Executed by Inventor 4 of 7

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
**Jeffrey H. Martin**

Executed by Inventor 5 of 7

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
**Tedrick N. Northway**

Executed by Inventor 1 of 7

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
**Kenneth A. Brink, Jr.**

Executed by Inventor 2 of 7

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
**Randy S. Johnson**

Executed by Inventor 3 of 7

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
**Raymond T. Malkowski**

Executed by Inventor 4 of 7

Signature: Jeffrey H. Martin Date: 05, April 2007  
**Jeffrey H. Martin**

Executed by Inventor 5 of 7

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
**Tedrick N. Northway**

Executed by Inventor 1 of 7

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
**Kenneth A. Brink, Jr.**

Executed by Inventor 2 of 7

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
**Randy S. Johnson**

Executed by Inventor 3 of 7

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
**Raymond T. Malkowski**

Executed by Inventor 4 of 7

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
**Jeffrey H. Martin**

Executed by Inventor 5 of 7

Signature: *Tedrick N. Northway* Date: *05 April 2007*  
**Tedrick N. Northway**



Executed by Inventor 6 of 7

Signature: \_\_\_\_\_

  
Patrick J. Richards, Jr.

Date: \_\_\_\_\_

4/5/07

Executed by Inventor 7 of 7

Signature: \_\_\_\_\_

Duane L. Winkler

Date: \_\_\_\_\_

Executed by Inventor 6 of 7

---

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
**Patrick J. Richards, Jr.**

Executed by Inventor 7 of 7

---

Signature: Duane L. Winkler Date: 05 April 2007  
**Duane L. Winkler**