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<p>1. Name of conveying party(ies): Execution Date</p> <p>1) Herve Philippe Andre 1) November 17, 2004 2) Roger Gregory Hathorn, and 2) November 17, 2004 3) Cheng-Chung Song 3) November 17, 2004</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies):</p> <p>International Business Machines Corporation Armonk, New York 10504</p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____</p>	

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

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s): **10/991,445, filed November 17, 2004** B. Patent No.(s): _____

Additional numbers attached? Yes No


<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>William K. Konrad KONRAD RAYNES & VICTOR, LLP 315 S. Beverly Drive, Suite 210 Beverly Hills, CA 90212</p>	<p>6. Total number of applications and patents involved: [1]</p> <p>7. Total fee (37 CFR 3.41).....\$ <u>40</u></p> <p><input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number: 09-0440 COPY</p> <p>(Attach duplicate copy of this page if paying by deposit account)</p>
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William K. Konrad
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Signature

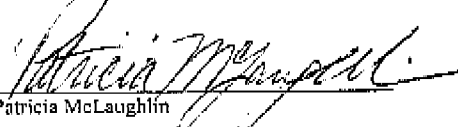
February 3, 2005
Date

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

OMB No. 0651-0011 (exp. 4/94)

CERTIFICATE UNDER 37 CFR 1.8:

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Patricia McLaughlin 2/3/05
Date

CH \$40.00 090449 10991445

Patent Docket: TUC920040183US1
Firm No. 0022.0100

ASSIGNMENT

Whereas, we

- (1) Herve Philippe Andre of Tucson and State of Arizona
- (2) Roger Gregory Hathorn of Tucson and State of Arizona
- (3) Cheng-Chung Song of Tucson and State of Arizona

have invented certain improvement in:

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and executed, respectively, a United States patent application therefore on:

- (1) 11/17/04, 2004, (2) 11/17/04, 2004 and (3) 11/17/04, 2004

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM CORPORATION), 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 therefore;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I, the above named, hereby sell, assign, and transfer to IBM CORPORATION, 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 invention set forth in said application to IBM CORPORATION, its successors and assigns; and I hereby agree that IBM CORPORATION 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 CORPORATION.

Signed and sealed

CITY	(1) at <u>Tucson</u>		SIGNATURE
DATE	on <u>11/17</u> , 2004	Herve Philippe Andre	INVENTOR
CITY	(2) at <u>Tucson</u>		SIGNATURE
DATE	on <u>11/17</u> , 2004	Roger Gregory Hathorn	INVENTOR
CITY	(3) at <u>Tucson</u>		SIGNATURE
DATE	on <u>11/17</u> , 2004	Cheng-Chung Song	INVENTOR