

02-26-2004



To the Honorable Commissioner of I

102678513

original documents or copy thereof.

1. Name of conveying party(ies): James A. Springer; Yu-Cheng Hsu; Gilad Sharaby; Aaron Mahar; Angelique R. Budaya

2-17-04

2. Name and address of receiving party(ies) Name: International Business Machines (IBM) Corporation Internal Address:

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance: Assignment Merger Security Agreement Change of Name Other

Street Address: New Orchard Road City: Armonk State: NY Zip: 10504

Execution Date: FEB. 12, 2004; FEB. 13, 2004

Additional name(s) & address(es) attached? Yes No

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: 17 FEB 2004

10781200

A. Patent Application No.(s) EV394802050US

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Dan Shifrin

Internal Address:

02/24/2004 HLE333 00000003 10781200

04 FC:8021

40.00 00

Street Address: Swanson & Bratschun, LLC 1745 Shea Center Drive, Suite 330

City: Highlands Ranch State: CO Zip: 80129

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40.00

Enclosed Authorized to be charged to deposit account

8. Deposit account number:

19-5117

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9. Signature.

Dan Shifrin, #34,473

Name of Person Signing

Signature

17 FEB 2004

Date

Total number of pages including cover sheet, attachments, and documents: 3

031356 U.S. PTO 10781200



021704

ASSIGNMENT

IBM DOCKET: TUC920030181US1
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Whereas, we

James A. Springer of Tucson County of Pima and State of Arizona and
Yu-Cheng Hsu of Tucson County of Pima and State of Arizona and
Gilad Sharaby of Mobile Post Hamovil County of Israel and
Aaron S. Mahar of Tucson County of Pima and State of Arizona and
Angelique R. Budaya of Tucson County of Pima and State of Arizona and

have invented certain improvements in

IMPROVED METADATA ACCESS DURING ERROR HANDLING ROUTINES

and executed, respectively, a United States patent application therefor on

- (1) 2-12-2004 (2) 2-12-2004 (3) (4) 2/12/2004
(5) 2/12/2004

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 patent 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.

at Tucson James A. Springer
on 2-12-2004

at Tucson Yu-Cheng Hsu
on 2-12-2004

at
on Gilad Sharaby

at Tucson Aaron Mahar
on 2-12-2004

at Tucson Angelique R. Budaya
on 2/12/2004

ASSIGNMENT

IBM DOCKET: TUC920030181US1

Page 1 of 1

Whereas, we

<u>James A. Springer</u>	of	<u>Tucson</u>	County of	<u>Pima</u>	and State of	<u>Arizona</u>	and
<u>Yu-Cheng Hsu</u>	of	<u>Tucson</u>	County of	<u>Pima</u>	and State of	<u>Arizona</u>	and
		<u>Alon-HagalilMobile</u>					
<u>Gilad Sharaby</u>	of	<u>Peot-Hameviv</u>	County of		and State of	<u>Israel</u>	and
<u>Aaron S. Mahar</u>	of	<u>Tucson</u>	County of	<u>Pima</u>	and State of	<u>Arizona</u>	and
<u>Angelique R. Budaya</u>	of	<u>Tucson</u>	County of	<u>Pima</u>	and State of	<u>Arizona</u>	

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 (5) \_\_\_\_\_

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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.

at \_\_\_\_\_  
on \_\_\_\_\_ James A. Springer

at \_\_\_\_\_  
on \_\_\_\_\_ Yu-Cheng Hsu

at Alon-Hagalil \_\_\_\_\_  
on Feb 13, 2004 G. Sharaby  
Gilad Sharaby

at \_\_\_\_\_  
on \_\_\_\_\_ Aaron Mahar

at \_\_\_\_\_  
on \_\_\_\_\_ Angelique R. Budaya