

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Robert F Bartfai	03/17/2008
Michael E Factor	03/18/2008
Shachar Fienblit	03/17/2008
Olympia Gluck	03/27/2008
Eyal Gordon	03/27/2008
Thomas C Jarvis	03/14/2008
Eli Malul	03/27/2008
Carol S Mellgren	03/14/2008
Gail A Spear	03/17/2008
Aviad Zlotnick	03/19/2008

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

Property Type	Number
Application Number:	12060086

CORRESPONDENCE DATA

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CH \$40.00 12060086

ATTORNEY DOCKET NUMBER:

IL920070072US1 (37.170)

NAME OF SUBMITTER:

Karlin Meehan

Total Attachments: 4

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ASSIGNMENT

Whereas, we

- | | |
|----------------------------|---|
| (1) Robert Francis BARTFAI | of Tucson,
State of Arizona, and
County of Pima |
| (2) Michael E. FACTOR | of Haifa,
ISRAEL |
| (3) Shachar FIENBLIT | of Ein Ayala,
ISRAEL |
| (4) Olympia GLUCK | of Haifa,
ISRAEL |
| (5) Eyal GORDON | of Haifa,
ISRAEL |
| (6) Thomas Charles JARVIS | of Tucson,
State of Arizona, and
County of Pima |
| (7) Eli MALUL | of Tirat Carmel,
ISRAEL |
| (8) Carol Santich MELLGREN | of Tucson,
State of AZ, and
County of Pima |
| (9) Gail Andrea SPEAR | of Tucson,
State of AZ, and
County of Pima |
| (10) Aviad ZLOTNICK | of D.N.G.T.,
ISRAEL |

have invented certain improvements in:

MANAGING WRITES RECEIVED TO DATA UNITS THAT ARE BEING TRANSFERRED TO A
SECONDARY STORAGE AS PART OF A MIRROR RELATIONSHIP




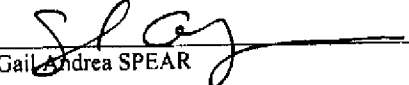
and executed, respectively, a United States patent application therefore on:

- (1) March 17, 2008, (2) _____, 2008, (3) _____, 2008, (4)
_____, 2008, (5) _____, 2008, (6) MAR. 14, 2008, (7)
_____, 2008, (8) March 14, 2008, (9) March 17, 2008 and (10)
_____, 2008

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 in all 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 scaled

CITY	(1) at <u>Tucson</u>		SIGNATURE
DATE	on <u>March 17</u> , 2008	Robert Francis BARTFAI	INVENTOR
CITY	(2) at _____	_____	SIGNATURE
DATE	on _____, 2008	Michael E. FACTOR	INVENTOR
CITY	(3) at _____	_____	SIGNATURE
DATE	on _____, 2008	Shachar FIENBLIT	INVENTOR
CITY	(4) at _____	_____	SIGNATURE
DATE	on _____, 2008	Olympia GLUCK	INVENTOR
CITY	(5) at _____	_____	SIGNATURE
DATE	on _____, 2008	Eyal GORDON	INVENTOR
CITY	(6) at <u>TUCSON</u>		SIGNATURE
DATE	on <u>MAR 14</u> , 2008	Thomas Charles JARVIS	INVENTOR
CITY	(7) at _____	_____	SIGNATURE
DATE	on _____, 2008	Eli MALUL	INVENTOR
CITY	(8) at <u>Tucson</u>		SIGNATURE
DATE	on <u>March 14</u> , 2008	Carol Santich MELLGREN	INVENTOR
CITY	(9) at <u>Tucson</u>		SIGNATURE
DATE	on <u>March 17</u> , 2008	Gail Andrea SPEAR	INVENTOR
CITY	(10) at _____	_____	SIGNATURE
DATE	on _____, 2008	Aviad ZLOTNICK	INVENTOR

ASSIGNMENT

Whereas, we

- | | |
|----------------------------|---|
| (1) Robert Francis BARTFAJ | of Tucson,
State of Arizona, and
County of Pima |
| (2) Michael E. FACTOR | of Haifa,
ISRAEL |
| (3) Shachar FIENBLIT | of Ein Ayala,
ISRAEL |
| (4) Olympia GLUCK | of Haifa,
ISRAEL |
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ISRAEL |
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and executed, respectively, a United States patent application therefore on:

- (1) 03/27, 2008, (2) Mar 18, 2008, (3) mar 17, 2008, (4)
03/27, 2008, (5) Mar 27, 2008, (6) _____, 2008, (7)
Mar 27, 2008, (8) _____, 2008, (9) _____, 2008 and (10)
Mar. 19, '08, 2008

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 in all 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 _____	_____	SIGNATURE
DATE	on _____, 2008	Robert Francis BARTFAI	INVENTOR
CITY	(2) at <u>HaiFa</u>	<u>[Signature]</u>	SIGNATURE
DATE	on <u>March 18</u> , 2008	Michael E. FACTOR	INVENTOR
CITY	(3) at <u>HaiFa</u>	<u>[Signature]</u>	SIGNATURE
DATE	on <u>March 17</u> , 2008	Shachar MENBLIT	INVENTOR
CITY	(4) at <u>HaiFa</u>	<u>[Signature]</u>	SIGNATURE
DATE	on <u>27.03</u> , 2008	Olympia GLUCK	INVENTOR
CITY	(5) at <u>HaiFa</u>	<u>[Signature]</u>	SIGNATURE
DATE	on <u>Mar 27</u> , 2008	Eyal GORDON	INVENTOR
CITY	(6) at _____	_____	SIGNATURE
DATE	on _____, 2008	Thomas Charles JARVIS	INVENTOR
CITY	(7) at <u>HaiFa</u>	<u>[Signature]</u>	SIGNATURE
DATE	on <u>Mar 27</u> , 2008	Eli MALUL	INVENTOR
CITY	(8) at _____	_____	SIGNATURE
DATE	on _____, 2008	Carol Santich MELLGREN	INVENTOR
CITY	(9) at _____	_____	SIGNATURE
DATE	on _____, 2008	Gail Andrea SPEAR	INVENTOR
CITY	(10) at <u>HaiFa</u>	<u>[Signature]</u>	SIGNATURE
DATE	on <u>Mar 19, '08</u> , 2008	Aviad ZLOTNICK	INVENTOR