

Form PTO-1595
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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
 David Carmel, Doron Cohen, Ronald Fagin,
 Eitan Farchi, Michael Herscovici,
 Yoelle Maarek, Aya Soffer

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

2. Name and address of receiving party(ies):
 Name: International Business Machines Corporation
Armonk, New York 10504

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

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: 3/23/04 (DC), 3/22/04 (DC);
3/12/04 (RF); 3/22/04 (EF); 3/24/04 (MH);
3/22/04 (YM); 3/22/04 (AS)

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)
10/451,056

B. Patent No. (s)

Additional numbers attached? Yes No

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

Name: Frank Chau, Esq.

Street Address: F. CHAU & ASSOCIATES, LLC
1900 Hempstead Turnpike, Suite 501

City: East Meadow State: NY Zip: 11554

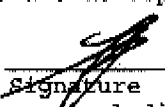
6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. §3.41): \$40.00
 Enclosed
 Authorized to be charged to deposit account

8. Deposit account number:
50-0510/IBM (Yorktown Heights)
 (Attach duplicate copy of this page if paying by deposit account)

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 To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Frank Chau
Registration No. 34,136
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Total number of pages including cover sheet, attachments and documents: 4

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CH \$40.00 500610 10461056

Assignment

Whereas, we

Inventor and City	(1) David Carmel County of	of Haifa and Country of Israel
	and (2) Doron Cohen County of	of Migav and Country of Israel
	and (3) Ronald Fagin County of <i>Santa Clara</i>	of Los Gatos and State of California
	and (4) Eitan Farchi County of	of Pardes Hanna and Country of Israel
	and (5) Michael Herscovici County of	of Haifa and Country of Israel
	and (6) Yoelle Maarek County of	of Haifa and Country of Israel
	and (7) Aya Soffer County of	of Haifa and Country of Israel

have invented certain improvements in U.S. Serial Appln. No. 10/451,056
filed January 9, 2004

TITLE **LOSSY INDEX COMPRESSION**

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

DATES THAT	(1) 2004 and (2)	2004 and (3)	2004
INVENTORS	(4) 2004 and (5)	2004 and (6)	2004.
SIGNED THE DECLARATION			

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 patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we 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 we 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 we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

Signed and sealed

CITY	(1) at		SIGNATURE
DATE	on	2004,	(David Carmel) INVENTOR
		FIRST NAME	MIDDLE INITIAL
			LAST NAME

Signed and sealed

CITY	and (2) at		SIGNATURE
DATE	on	2004,	(Doron Cohen) INVENTOR
		FIRST NAME	MIDDLE INITIAL
			LAST NAME

Signed and sealed
 CITY and (3) at _____ SIGNATURE
 DATE on 3/12 2004, (*Ronald Fagin*) INVENTOR
 FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed
 CITY and (4) at _____ SIGNATURE
 DATE on 2004, (**Eitan Farchi**) INVENTOR
 FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed
 CITY and (5) at _____ SIGNATURE
 DATE on 2004, (**Michael Herscovici**) INVENTOR
 FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed
 CITY and (6) at _____ SIGNATURE
 DATE on 2004, (**Yoelle Maarek**) INVENTOR
 FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed
 CITY and (7) at _____ SIGNATURE
 DATE on 2004, (**Aya Soffer**) INVENTOR
 FIRST NAME MIDDLE INITIAL LAST NAME

Assignment

Whereas, we

Inventor
and City

(1) **David Carmel**
County of

of **Haifa**
and Country of **Israel**

and (2) **Doron Cohen**
County of

of **Misgav**
and Country of **Israel**

and (3) **Ronald Fagin**
County of

of **Los Gatos**
and State of **California**

and (4) **Eitan Farchi**
County of

of **Pardes Hanna**
and Country of **Israel**

and (5) **Michael Herscovici**
County of

of **Haifa**
and Country of **Israel**

and (6) **Yoelle Maarek**
County of

of **Haifa**
and Country of **Israel**

and (7) **Aya Soffer**
County of

of **Haifa**
and Country of **Israel**

have invented certain improvements in U.S. Serial Appin. No. 10/451,056
filed January 9, 2004

TITLE **LOSSY INDEX COMPRESSION**

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

DATES THAT (1) ~~12/12/03~~ ~~2004~~ and (2) ~~11/12/03~~ ~~2004~~ and (3) 2004

INVENTORS (4) ~~11/12/03~~ ~~2004~~ and (5) ~~17/12/03~~ ~~2004~~ and (6) ~~12/12/03~~ ~~2004~~.

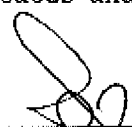
SIGNED THE
DECLARATION ~~(7)~~ ~~17/12/2003~~

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 patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we 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 we 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 we hereby
agree that IBM may apply for foreign Letters Patent on said invention and we will execute all
papers necessary in connection with the United States and foreign applications when called upon
to do so by IBM.

Signed and sealed

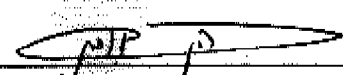
CITY (1) at Haifa
DATE on 23/03 2004,



(**David Carmel**) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed

CITY and (2) at Haifa
DATE on 22/3 2004,



(**Doron Cohen**) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed
 CITY and (3) at _____ SIGNATURE
 DATE on 2004, (Ronald Fagin) INVENTOR
 FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed
 CITY and (4) at Haifa _____ SIGNATURE
 DATE on March 22, 2004, (Eitan Farchi) INVENTOR
 FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed
 CITY and (5) at Haifa _____ SIGNATURE
 DATE on 24/3/2004 2004, (Michael Herscovici) INVENTOR
 FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed
 CITY and (6) at Haifa _____ SIGNATURE
 DATE on 22/3 2004, (Yoelle Maarek) INVENTOR
 FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed
 CITY and (7) at Haifa _____ SIGNATURE
 DATE on 22/3 2004, (Aya Soifer) INVENTOR
 FIRST NAME MIDDLE INITIAL LAST NAME