ul 23 2004 1:45PM F.CHAU & ASSOCIA	TES, LLC 516-69	2-8889 p.2		
	Attorney Docket:	H920010051US1 (8728-677)		
Porm PTO-1595 1-31-92 RECORDATION FO PATENT	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office			
To the Honorable Commissioner of Patents and Trademarks: Please	record the attached original	locuments or copy thereof.		
1. Name of conveying party(ies): Peter Bachtold, Gerd K. Binnig, Giovanni Cherubini, Ajay Dholakia, Urs T. Durig, Evangelos S. Eleftheriou, Theodor W. Loeliger, Peter Vettiger	2. Name and address party(ies): Name: <u>International</u> Corporation  Armonk, New York 105	of receiving Business Machines		
Additional name(s) of conveying party(ies) attached?   Yes  No	Additional name(s) {			
<pre></pre>		1, the execution date		
Additional numbers a	 attached? 디 Yes 또 No			
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of patents involve	applications and i: <u>1</u>		
Name: Frank Chau, Esq.  Street Address: F. CHAU & ASSOCIATES, LLP  130 Woodbury Road,	☐ Enclosed	.F.R. §3.41): \$40.00 be charged to deposit		
City: Woodbury State: NY Zip: 11797		(Yorktown Heights) opy of this page if		
DO NOT US				
9. Statement and signature. To the best of my knowledge and belief, to correct and any attached copy is a true of Eric M. Parham  Registration No. 45.747	the foregoing informat copy of the original of	ion is true and ocument.  July 23,2004		

Name of Person Signing Signature Date
Total number of pages including cover sheet, attachments and documents:

PATENT REEL: 014893 FRAME: 0117

(JOINT FORM)
(MORE THAN TWO)

(IBM Docket CH920010051US1 (8728-677))

Page 1 of 2

## Assignment

Whereas, we

Inventor and City

(1) Peter BÄCHTOLD : County of

and (2) **Gerd K. BINNIG** County of

and(3) Giovanni CHERUBINI County of

and (4) Ajay DHOLAKIA
County of

And (5) Urs T. DÜRIG County of

And (6) Evangelos S. ELEFTHERIOU County of

And (7) Theodor W. LOELIGER County of

and (8) Peter Vettiger
County of

of Gattikon

and Country of SWITZERLAND

of Wollerau

and Country of SWITZERLAND

of Russchlikon

and Country of SWITZERLAND

of Gattikon

and Country of SWITZERLAND

of Rueschlikon

and Country of SWITZERLAND

of Zurich

and Country of SWITZERLAND

of Thalwil

and Country of SWITZERLAND

of Langnau am Albis
and Country of SWITZERLAND

have invented certain improvements in U.S. Appln. Serial No. 10/488 340

TITLE

## DATA DETECTION FOR LOCAL PROBE DATA STORAGE DEVICES

and executed, respectively, a United States patent application therefor on DATES THAT (1) 23 Narch 2004 and (2) 25 Narch 2004 and (3) 25 Narch 2004 INVENTORS (4) 25 Narch 2004 and (5) 30 Narch 2004 and (6) 28 Narch 2004 (7) 2004 and (8) 30 Narch 2004

SIGNED THE DECLARATION

filed on February 27, 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 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 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.

PATENT REEL: 014893 FRAME: 0118

Attorney Docket:

CH920010051US1 (8728-677)

Page 2 of 2 Signed and sealed SIGNATURE (1) at Puschilleon CITY (Peter/BÄCHTOLD) INVENTOR 23 narch 2004, DATE LAST NAME MIDDLE INITIAL FIRST NAME Signed and sealed SIGNATURE and (2) at Ruschlikon CITY 2/2004 BINNIG) INVENTOR 2004. DATE MIDDLE INITIAL LAST NAME FIRST NAME Signed and sealed SIGNATURE and (3) at Puscheikon CITY ) INVENTOR 25 Narah 2004, DATE LAST NAME MIDDLE INITIAL FIRST NAME Signed and sealed SIGNATURE and (4) at Ruschlikon CITY Ajay DHOLAKIA ) INVENTOR 2004, 25 March DATE MIDDLE INITIAL LAST NAME FIRST NAME Signed and sealed and (5) at Priscueikon SIGNATURE CITY T. DÜKIG /2004, Urs OR DATE MIDDLE INITIAL LAST NAME FIRST NAME Signed and sealed SIGNATURE and (6) at Ruschliken CITY Evangelos S. ELEFTHERIOU ) INVENTOR 2004, DATE 28 March LAST NAME MIDDLE INITIAL FIRST NAME Signed and sealed SIGNATURE CITY and (7) at Back and 2004, Theodor W. LOELIGER ) INVENTOR DATE on FIRST NAME MIDDLE INITIAL LAST NAME Signed and sealed SIGNATURE and (8) at Perschlikon CITY **VETTIGER** ) IN 2004, ( Peter **ÈW**TOR DATE MIDDLE INITIAL LAST NAME FIRST NAME

> | PATENT | REEL: 014893 FRAME: 0119

(JOINT FORM)
(MORE THAN TWO)

(IBM Docket CH920010051US1 (8728-677))

Page 1 of 2

## Assignment

Whereas, we

Inventor and City

(1) Peter BÄCHTOLD County of

and (2) Gerd K. BINNIG County of

and(3) Giovanni CHERUBINI
County of

and (4) Ajay DHOLAKIA County of

And (5) Urs T. DÜRIG County of

And (6) Evangelos S. ELEFTHERIOU County of

And (7) Theodor W. LOELIGER County of

and (8) Peter Vettiger County of

of Gattikon

and Country of SWITZERLAND

of Wollerau

and Country of SWITZERLAND

of Rueschlikon

and dountry of SWITZERLAND

of Gattikon

and Country of SWITZERLAND

of Rueschlikon

and dountry of SWITZERLAND

of Zurich

and country of SWITZERLAND

of Thalwil

and country of SWITZERLAND

of Langnau am Albis and Country of SWITZERLAND

have invented certain improvements in <u>U.S. Appln. Serial No. 10/488,340</u> filed on <u>February 27, 2004</u>

TITLE

## DATA DETECTION FOR LOCAL PROBE DATA STORAGE DEVICES

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

(7) **29 Nard**, 2004 and (8)

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.

| PATENT REEL: 014893 FRAME: 0120

•						Attorney Do	ocket: CH9:	200 <b>1</b> 0051US1 Pa	(8728-677) age 2 of 2
CITY DATE	(1)	_	and sealed	2004,	(Peter	BÄCHTOLD)		LAST NAME	_SIGNATURE
CITY	and	Signed (2) at on	and sealed	2004,	( <b>Gerd</b> FIRST NAME	D. BINNIG		LAST NAME	_signature
CITY DATE	and	Signed (3) at on	and sealed	2004,	( Giov	ranni CHERI MIDDLE IN		VENTOR LAST NAME	_signature
CITY DATE	and	Signed (4) at on	and sealed	2004,	( Ajay	DHOLAKIA MIDDLE IN		LAST NAME	_signature
CITY DATE	and	Signed (5) at on	and sealed	2004,	( Urs	T. DÜRIG MIDDLE IN	1	LAST NAME	_signature
CITY	and	Signed (6) at on	and sealed	2004,	( Evar	ngelos S. I		OU ) INVENTO	_signature R
CITY DATE	and	Signed (7) at T on	and sealed halmil 29.3.	2004,	( Theo	odor W. LO.	ELIGER )1	NVENTOR LAST NAME	_signature
CITY DATE	and	Signed (8) at on	and sealed	2004,	( Pete	er VETTIGE MIDDLE IN		R LAST NAME	_signature

PATENT

RECORDED: 07/23/2004

REEL: 014893 FRAME: 0121