

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Annayya P Deshpande</td><td>05/02/2003</td></tr><tr><td>Hoodin Hamidi</td><td>04/08/2003</td></tr><tr><td>Icko E Iben</td><td>04/08/2003</td></tr><tr><td>Kevin Thuy Luong</td><td>04/09/2003</td></tr><tr><td>Sassan K Shahidi</td><td>04/09/2003</td></tr><tr><td>Abel J Taina</td><td>04/09/2003</td></tr></tbody></table>	Name	Execution Date	Annayya P Deshpande	05/02/2003	Hoodin Hamidi	04/08/2003	Icko E Iben	04/08/2003	Kevin Thuy Luong	04/09/2003	Sassan K Shahidi	04/09/2003	Abel J Taina	04/09/2003	
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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															
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11833973</td></tr></tbody></table>	Property Type	Number	Application Number:	11833973											
Property Type	Number														
Application Number:	11833973														
CORRESPONDENCE DATA															
Fax Number:	(858)455-7677														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
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Email:	tim@ellispatent.com														
Correspondent Name:	Timothy N. Ellis														
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Address Line 4:	La Jolla, CALIFORNIA 92037														
ATTORNEY DOCKET NUMBER:	SJO920020116US3														
NAME OF SUBMITTER:	Timothy N. Ellis, Reg. No. 41,734														

CH \$40.00 11833973

PATENT

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REEL: 021145 FRAME: 0286

Total Attachments: 4

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ASSIGNMENT SUBMITTED FOR RECORDATION FOR CONTINUATION APPLICATION
DOCKET NO. SJO920020116US3

ASSIGNMENT (page 1 of 2) Docket No. SJO920020116US1

Whereas, we

(1) Annayya P. Deshpande of San Jose,
County of Santa Clara, and State of California,

and (2) Hoodin Hamidi of Walnut Creek,
County of Contra Costa, and State of California,

and (3) Icko E. Iben of Santa Clara,
County of Santa Clara, and State of California,

and (4) Kevin Thuy Luong of San Jose,
County of Santa Clara, and State of California

and (5) Sassan K. Shahidi of San Jose,
County of Santa Clara, and State of California,

and (6) Abel J. Taina of San Jose,
County of Santa Clara, and State of California

have invented certain improvements in a

Method and Apparatus for Embedding a Chip in a Substrate to Form a Composite
Air Bearing Surface

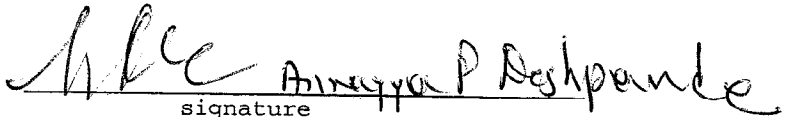
and executed, respectively, a United States patent application therefor on

(1) April 10, 2003, (2) _____, 2003, (3) _____, 2003,
(4) _____, 2003, (5) _____, 2003, (6) _____, 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

(1) at <u>San Jose</u>	
on <u>5/4</u> , 2003,	signature
and (2) at _____	_____
on _____, 2003,	signature
and (3) at _____	_____
on _____, 2003,	signature
and (4) at _____	_____
on _____, 2003,	signature
and (5) at _____	_____
on _____, 2003,	signature
and (6) at _____	_____
on _____, 2003.	signature

ASSIGNMENT SUBMITTED FOR RECORDATION FOR CONTINUATION APPLICATION
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ASSIGNMENT (page 1 of 2) Docket No. SJO920020116US1

Whereas, we

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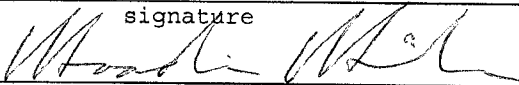
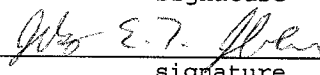
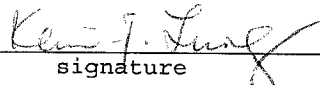
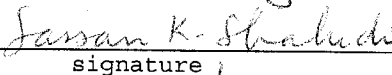
(1) 6-9, 2003, (2) 4/9, 2003, (3) April 8, 2003,
(4) 6-9, 2003, (5) 4/9, 2003, (6) April 9, 2003.

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

(1) at _____
on _____, 2003,
and (2) at SAN JOSE
on APRIL 8, 2003,
and (3) at San Jose
on April 8, 2003,
and (4) at San Jose
on April 9, 2003,
and (5) at San Jose
on 4/9/, 2003,
and (6) at San Jose
on April 9, 2003.

signature

signature

signature

signature

signature
