

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Charles Jay Alpert	12/13/2005
Haoxing Ren	12/13/2005
Paul Gerard Villarrubia	12/13/2005

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:	11304955

CORRESPONDENCE DATA

Fax Number: (512)823-1036

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 5128230092

Email: carterb@us.ibm.com

Correspondent Name: Casimer K. Salys

Address Line 1: 11400 Burnet Road

Address Line 2: IBM-Intellectual Property Law

Address Line 4: Austin, TEXAS 78758

ATTORNEY DOCKET NUMBER:

AUS920050636US1

NAME OF SUBMITTER:

Casimer K. Salys

Total Attachments: 2

source=Assignment#page1.tif

PATENT

REEL: 017538 FRAME: 0461

500098367

CH \$40.00 11304955

ASSIGNMENT

Whereas, we,

- | | |
|---|----------------------------------|
| (1) <u>Charles Jay Alpert</u>
County of Williamson | of Round Rock
and State of TX |
| (2) <u>Haoxing Ren</u>
County of Travis | of Austin
and State of TX |
| (3) <u>Paul Gerard Villarrubia</u>
County of Williamson | of Austin
and State of TX |

have invented certain improvements in

A METHOD AND APPARATUS FOR DIFFUSION BASED CELL PLACEMENT MIGRATION


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

(**Dates Inventors Signed Declaration**) (1) 12/13, (2005); (2) 12/13, (2005);
(3) 12/13, (2005).

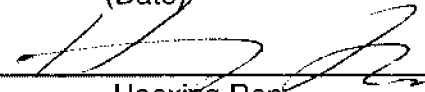
Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefore;

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 invention 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.

(1) Signed at Austin on 12/13, 2005.
(City) (Date)


Charles Jay Alpert

(2) Signed at Austin on 12/13, 2005.
(City) (Date)


Haoxing Ren

(3) Signed at Austin on 12/13, 2005.
(City) (Date)


Paul Gerard Villarrubia