

02-05-2002

REI

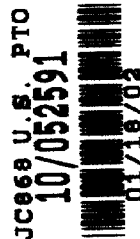


:ET

01/18/02

101976489

TO THE HONORABLE COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231



Please record the attached original documents or copies thereof.

1. Name of conveying party(ies):

**BRUCE KENNETH FURMAN, MAHESWARAN SURENDRA, SHERIF A. GOMA, SIMON M. KARECKI, JOHN HAROLD MAGERLEIN, KEVIN SHAWN PETRARCA, SAMPATH PURUSHOTHAMAN, CARLOS JUAN SAMBUCETTI, RICHARD PAUL VOLANT AND GEORGE FREDERICK WALKER**

2. Name and address of receiving party(ies):

**INTERNATIONAL BUSINESS MACHINES CORPORATION  
ARMONK, NEW YORK 10504**

3. Nature of conveyance:

XXXXX Assignment \_\_\_\_\_ Merger  
\_\_\_\_\_ Security Agreement \_\_\_\_\_ Change of Name  
\_\_\_\_\_ Other: \_\_\_\_\_

Execution Date: **DECEMBER 21, 2001, JANUARY 2, 3, 4, 7, 10, 2002**

4. Application number(s) or application date(s): **FILED HEREWITH**

If this document is being filed together with a new application, the execution date of the application is: **DECEMBER 21, 2001, JANUARY 2, 3, 4, 7, 10, 2002**

A. Application No. B. Application Date

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

Paul D. Greeley, Esq.  
Ohlandt, Greeley, Ruggiero & Perle, L.L.P.  
One Landmark Square, 10<sup>th</sup> Floor  
Stamford, Connecticut 06901-2682 U.S.A.

02/04/2002 ANNED1 00000202 500510 10052591  
01 FC:581 40.00 CH

6. Total No. of applications and patents involved: 1

7. Total Fee (37 C.F.R. 3.41(h)) \$40.00/assignment.

XXXXX Enclosed  
\_\_\_\_\_ Authorized to be charged to deposit account.

The Commissioner is hereby authorized to charge any additional fees under 37 C.F.R. 3.41 that may be required with this communication or credit any overpayment, to Deposit Account No. 50-0510. A duplicate copy of this Form is enclosed.

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.

Paul D. Greeley  
Name of Person Signing

*Paul D. Greeley*

Signature

01/18/02

Date

Total number of pages including cover sheet, attachments and document: 6

**PATENT**

**REEL: 012527 FRAME: 0886**

**JOINT ASSIGNMENT**

The ASSIGNORS,

**BRUCE KENNETH FURMAN**  
**7 Greenhill Dr., Apt. 32B**  
**Fishkill, NY 12524**

**MAHESWARAN SURENDRA**  
**64 Grand Street**  
**Croton-on-Hudson, NY 10520**

**SHERIF A. GOMA**  
**148 Bradhurst Ave.**  
**Hawthorne, NY 10532**

**SIMON M. KARECKI**  
**1B Jackman Dr.**  
**Poughkeepsie, NY 12603**

**JOHN HAROLD MAGERLEIN**  
**1424 Trout Brook Dr.**  
**Yorktown Heights, NY 10598**

**KEVIN SHAWN PETRARCA**  
**28 Laurie Lane**  
**Newburgh, NY 12550**

**SAMPATH PURUSHOTHAMAN**  
**2075 Lavoie Court**  
**Yorktown Heights, NY 10598**

**CARLOS JUAN SAMBUCETTI**  
**4 Sassi Dr.**  
**Croton-on-Hudson, NY 10520**

**RICHARD PAUL VOLANT**  
**16 Fulton Dr.**  
**New Fairfield, CT 06812**

**GEORGE FREDERICK WALKER**  
**1540 York Avenue, Apt. 11K**  
**New York, NY 10028**

have invented certain new and useful improvements in **HIGH DENSITY RAISED STUD MICROJOINING SYSTEM AND METHODS OF FABRICATING THE SAME**

an invention which is fully described in an application for Letters Patent of the United States executed by them this day; and

The ASSIGNEE, **INTERNATIONAL BUSINESS MACHINES CORPORATION**, a New York corporation having its principal office at Armonk, New York, wishes to acquire the entire right, title and interest in and to the invention and under Letters Patent which may be obtained for this invention.

For valuable and legally sufficient considerations, receipt of which are hereby acknowledged, the Assignors sell, assign and transfer to Assignee, its successors and assigns, the entire right, title and interest for the United States in and to the above-identified invention and application, divisionals, continuations, and continuation-in-part and for the full term of any Letters Patent of the United States that may issue for the invention.

The Assignors also sell, assign and transfer to Assignee the entire right, title and interest in and to the invention and application for Letters Patent and Letters Patent therefor in all countries foreign to the United States, including all rights under the International Convention. The Assignors further authorize Assignee to apply for Letters Patent in foreign countries in the name of Assignee, and to claim the priority of the filing date of the United States Application under the provisions of the International Convention.

The Assignors further agree, for themselves and their legal representatives, they will assist Assignee in the prosecution before the United States Patent Office and the Federal Courts of this application, and other applications for Letters Patent including renewals, continuations, divisions, reissues and substitutions, that the Assignee elects to make covering the invention. The Assignors vest in Assignee like exclusive title in and to all such other applications and Letters Patent. The Assignors will execute and deliver to Assignee any documents which may be requested by Assignee to carry out the terms of this Assignment.

The Commissioner of Patents of the United States is authorized and requested to issue Letters Patent of the United States to Assignee. The Assignors also authorize and request the equivalent authorities in foreign countries to issue the patents of foreign countries to Assignee.

**Bruce Kenneth Furman**

Inventor's Name

**Maheswaran Surendra**

Inventor's Name

*Bruce Kenneth Furman*

Signature

*M. Surendra*

Signature

*Jan 2*, 2002


Date

*Jan 3*, 2002

Date

**Sherif A. Goma**

Inventor's Name

  
Signature

1/7, 2002  
Date

**Simon M. Karecki**

Inventor's Name

Signature – Anna Karecki for Simon M. Karecki

\_\_\_\_\_, 2002  
Date

**John Harold Magerlein**

Inventor's Name

  
Signature

1/3, 2002  
Date

**Kevin Shawn Petrarca**


Inventor's Name

  
Signature

1/4, 2002  
Date

**Sampath Purushothaman**

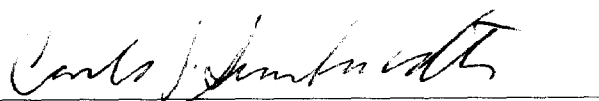
Inventor's Name

  
Signature

1-2-2002, 2002  
Date

**Carlos Juan Sambucetti**

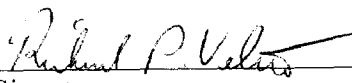
Inventor's Name

  
Signature

1-10-, 2002  
Date

**Richard Paul Volant**

Inventor's Name

  
Signature

1-3, 2002  
Date

**George Frederick Walker**

Inventor's Name

  
Signature

1/3, 2002  
Date

**JOINT ASSIGNMENT**

The ASSIGNORS,

**BRUCE KENNETH FURMAN**  
**7 Greenhill Dr., Apt. 32B**  
**Fishkill, NY 12524**

**MAHESWARAN SURENDRA**  
**64 Grand Street**  
**Croton-on-Hudson, NY 10520**

**SHERIF A. GOMA**  
**148 Bradhurst Ave.**  
**Hawthorne, NY 10532**

**SIMON M. KARECKI**  
**1B Jackman Dr.**  
**Poughkeepsie, NY 12603**

**JOHN HAROLD MAGERLEIN**  
**1424 Trout Brook Dr.**  
**Yorktown Heights, NY 10598**

**KEVIN SHAWN PETRARCA**  
**28 Laurie Lane**  
**Newburgh, NY 12550**

**SAMPATH PURUSHOTHAMAN**  
**2075 Lavoie Court**  
**Yorktown Heights, NY 10598**

**CARLOS JUAN SAMBUCETTI**  
**4 Sassi Dr.**  
**Croton-on-Hudson, NY 10520**

**RICHARD PAUL VOLANT**  
**16 Fulton Dr.**  
**New Fairfield, CT 06812**

**GEORGE FREDERICK WALKER**  
**1540 York Avenue, Apt. 11K**  
**New York, NY 10028**

have invented certain new and useful improvements in **HIGH DENSITY RAISED STUD MICROJOINING SYSTEM AND METHODS OF FABRICATING THE SAME**

an invention which is fully described in an application for Letters Patent of the United States executed by them this day; and

The ASSIGNEE, **INTERNATIONAL BUSINESS MACHINES CORPORATION**, a New York corporation having its principal office at Armonk, New York, wishes to acquire the entire right, title and interest in and to the invention and under Letters Patent which may be obtained for this invention.

For valuable and legally sufficient considerations, receipt of which are hereby acknowledged, the Assignors sell, assign and transfer to Assignee, its successors and assigns, the entire right, title and interest for the United States in and to the above-identified invention and application, divisionals, continuations, and continuation-in-part and for the full term of any Letters Patent of the United States that may issue for the invention.

The Assignors also sell, assign and transfer to Assignee the entire right, title and interest in and to the invention and application for Letters Patent and Letters Patent therefor in all countries foreign to the United States, including all rights under the International Convention. The Assignors further authorize Assignee to apply for Letters Patent in foreign countries in the name of Assignee, and to claim the priority of the filing date of the United States Application under the provisions of the International Convention.

The Assignors further agree, for themselves and their legal representatives, they will assist Assignee in the prosecution before the United States Patent Office and the Federal Courts of this application, and other applications for Letters Patent including renewals, continuations, divisions, reissues and substitutions, that the Assignee elects to make covering the invention. The Assignors vest in Assignee like exclusive title in and to all such other applications and Letters Patent. The Assignors will execute and deliver to Assignee any documents which may be requested by Assignee to carry out the terms of this Assignment.

The Commissioner of Patents of the United States is authorized and requested to issue Letters Patent of the United States to Assignee. The Assignors also authorize and request the equivalent authorities in foreign countries to issue the patents of foreign countries to Assignee.

Bruce Kenneth Furman  
Inventor's Name

Maheswaran Surendra  
Inventor's Name

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Signature

\_\_\_\_\_, 200\_  
Date

\_\_\_\_\_, 200\_  
Date

**Sherif A. Goma**

Inventor's Name

Signature

\_\_\_\_\_, 200\_\_\_\_  
Date

**Simon M. Karecki**

Inventor's Name

Signature *Anna Karecki* Anna Karecki for Simon M. Karecki

*12/21/*\_\_\_\_\_, 200*1*\_\_\_\_  
Date

**John Harold Magerlein**

Inventor's Name

Signature

\_\_\_\_\_, 200\_\_\_\_  
Date

**Kevin Shawn Petrarca**

Inventor's Name

Signature

\_\_\_\_\_, 200\_\_\_\_  
Date

**Sampath Purushothaman**

Inventor's Name

Signature

\_\_\_\_\_, 200\_\_\_\_  
Date

**Carlos Juan Sambucetti**

Inventor's Name

Signature

\_\_\_\_\_, 200\_\_\_\_  
Date

**Richard Paul Volant**

Inventor's Name

Signature

\_\_\_\_\_, 200\_\_\_\_  
Date

**George Frederick Walker**

Inventor's Name

Signature

\_\_\_\_\_, 200\_\_\_\_  
Date