

E4190030964US

In place of Form PTO-1595
RECORDATION FORM COVER SHEET

Docket No. AUS920020076US1

04-24-2002



102065230

ached original

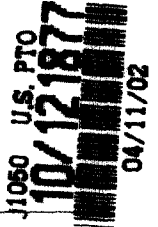
To the Assistant Commissioner of Patents
documents or copy thereof.

1. Name of conveying party(ies):

Charles J. Alpert
Gi-Joon Nam
Paul G. Villarrubia

2. Name and address of receiving party:

International Business
Machines Corporation
New Orchard Road
Armonk, New York 10504



3. Nature of conveyance:

☒ AssignmentExecution Date: April 4, 2002.

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 4/4/02

A. Patent Application No.(s)

B. Patent No.(s)

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

IBM Corp., Casimer Salys
Intellectual Property Law
Internal Zip 4054
11400 Burnet Road
Austin, TX 78758
(512) 823-0092

6. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41) \$ 40.00

☒ Authorized to be charged to
Deposit Account

8. Deposit account number:

09-0447

DO NOT USE THIS SPACE

9. Statement and signature.

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.

Casimer K. Salys
Name of Person Signing

Casimer K. Salys
Signature

4/8/02
Date

Total number of pages including cover sheet: 2

04/23/2002 TBIAZ1 00000141 090447 10121877
01 FC:581 40.00 CH

ASSIGNMENT

Whereas, we,

- (1) Charles J. Alpert of Austin, County of Travis and State of Texas,
- (2) Gi-Joon Nam of Austin, County of Travis and State of Texas, and
- (3) Paul G. Villarrubia of Austin, County of Williamson and State of Texas,

have invented certain improvements in

ANALYTICAL CONSTRAINT GENERATION FOR CUT-BASED GLOBAL PLACEMENT

and executed a United States patent application therefore on

(1) April 4, 2002; and (2) April 4, 2002; and (3) April 4, 2002.

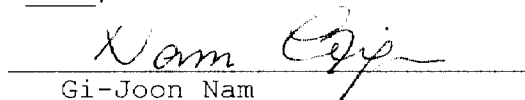
Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents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

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

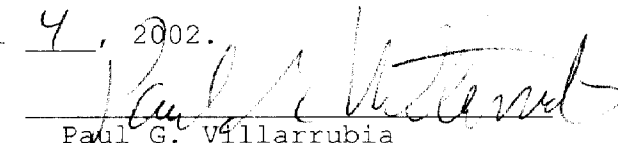
- (1) Signed at Austin, Texas, on April 4, 2002.


Charles J. Alpert

- (2) Signed at Austin, Texas, on April 4, 2002.


Gi-Joon Nam

- (3) Signed at Austin, Texas, on April 4, 2002.


Paul G. Villarrubia