Docket No.: RSW920040143US1

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1. Name of conveying party(ies):

Nikolaos Anerousis	Giovanni Pacifici
Gennaro A. Cuomo	Michael Spreitzer
Erik A. Daughtrey	Malgorzata Steinder
Brian K. Martin	Asser N. Tantawi

Additional names(s) of conveying party(ies) ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment   ☐ Merger

☐ Security Agreement   ☐ Change of Name

☐ Other _____

Execution Date: 09/27/04; 09/28/04; 09/27/04; 09/27/04; 09/27/04; 09/27/04; 12/15/04; and 09/27/04

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

Name: International Business Machines Corporation

Address: New Orchard Road

City: Armonk   State/Prov.: NY

Country: US   ZIP: 10504

Additional name(s) & address(es) ☐ Yes ☒ No

4. Application number(s) or patent numbers(s):

If this document is being filed together with a new application, the execution date of the application is: _____

Patent Application No.	Filing date	B. Patent No.(s)
10/953,325	09/29/2004	

Additional numbers ☐ Yes ☒ No

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

Name: Ronald A. D'Alessandro

Registration No. 42,456

Address: Hoffman, Warnick & D'Alessandro LLC

Three E-Comm Square

City: Albany   State/Prov.: NY
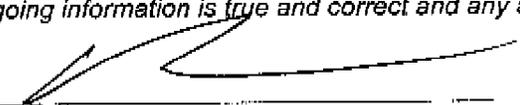
Country: US   ZIP: 12207

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):...............$ 40.00

☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account

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8. Deposit account number:

09-0461 (IBM)

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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.

Ronald A. D'Alessandro

Name of Person Signing | Signature | December 16, 2004 / Date

12

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PATENT
REEL: 015470 FRAME: 0947

Docket No.: RSW920040143US1

ASSIGNMENT

Whereas, we, Nikolaos Anerousis, Gennaro A. Cuomo, Erik A. Daughtrey, Brian K. Martin, Giovanni Pacifici, Michael Spreitzer, Malgorzata Steinder and Asser N. Tantawi,

(1) Nikolaos Anerousis
County of **Westchester,**

City of **Chappaqua,**
and State of **New York**

(2) Gennaro A. Cuomo
County of **Wake,**

City of **Cary,**
and State of **North Carolina.**

(3) Erik A. Daughtrey
County of **Durham,**

City of **Durham,**
and State of **North Carolina,**

(4) Brian K. Martin
County of **Wake,**

City of **Cary,**
and State of **North Carolina,**

(5) Giovanni Pacifici
County of **New York,**

City of **New York,**
and State of **New York,**

(6) Michael Spreitzer
County of **Westchester,**

City of **Croton-On-Hudson,**
and State of **New York,**

(7) Malgorzata Steinder
County of **Bergen,**

City of **Fort Lee,**
and State of **New Jersey,**

(8) Asser N. Tantawi
County of **Westchester.**

City of **Somers,**
and State of **New York,**

have invented certain improvements in **METHOD, SYSTEM, AND COMPUTER PROGRAM PRODUCT FOR SUPPORTING A LARGE NUMBER OF INTERMITTENTLY USED APPLICATION CLUSTERS**

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

(1) _September 27_ , 2004   (2) _____ , 2004

(3) _____ , 2004   (4) _____ , 2004

(5) _September 27_ , 2004   (6) _September 27_ , 2004

(7) _____ , 2004   (8) _September 27_ , 2004

And 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;

Page 1 of 3

Docket No.: RSW920040143US1

ASSIGNMENT

Whereas, we, Nikolaos Anerousis. Gennaro A. Cuomo. Erik A. Daughtrey. Brian K. Martin. Giovanni Pacifici, Michael Spreitzer. Malgorzata Steinder and Asser N. Tentawi,

(1)   **Nikolaos Anerousis**   City of Chappaqua,
    County of **Westchester**,   and State of **New York**

(2)   **Gennaro A. Cuomo**   City of **Cary**,
    County of **Wake**,   and State of **North Carolina**,

(3)   **Erik A. Daughtrey**   City of **Durham**,
    County of **Durham**,   and State of **North Carolina**,

(4)   **Brian K. Martin**   City of **Cary**,
    County of **Wake**,   and State of **North Carolina**,

(5)   **Giovanni Pacifici**   City of **New York**,
    County of **New York**,   and State of **New York**,

(6)   **Michael Spreitzer**   City of **Croton-On-Hudson**,
    County of **Westchester**,   and State of **New York**,

(7)   **Malgorzata Steinder**   City of **Fort Lee**,
    County of **Bergen**,   and State of **New Jersey**,

(8)   **Asser N. Tentawi**   City of **Somers**,
    County of **Westchester**,   and State of **New York**,

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

(1) _____, 2004   (2) _____ 9/28 , 2004

(3) _____, 2004   (4) _____, 2004

(5) _____, 2004   (6) _____, 2004

(7) _____, 2004   (8) _____, 2004

And 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;

Page 1 of 3

Docket No.: RSW920040143US1

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(1)	Nikolaos Anerousis	City of **Chappaqua**,
	County of **Westchester**,	and State of **New York**
(2)	Gennaro A. Cuomo	City of **Cary**,
	County of **Wake**,	and State of **North Carolina**,
(3)	Erik A. Daughtrey	City of **Durham**,
	County of **Durham**,	and State of **North Carolina**,
(4)	Brian K. Martin	City of **Cary**,
	County of **Wake**,	and State of **North Carolina**,
(5)	Giovanni Pacifici	City of **New York**,
	County of **New York**,	and State of New York,
(6)	Michael Spreitzer	City of **Croton-On-Hudson**,
	County of **Westchester**,	and State of **New York**,
(7)	Malgorzata Steinder	City of **Fort Lee**,
	County of **Bergen**,	and State of **New Jersey**,
(8)	Asser N. Tantawi	City of **Somers**,
	County of **Westchester**,	and State of **New York**.

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

(1) _____ , 2004   (2) _____ , 2004

(3) __ _9/27_____ , 2004   (4) _____ , 2004

(5) _____ , 2004   (6) _____ , 2004

(7) _____ , 2004   (8) _____ , 2004

And 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;

Page 1 of 3

Docket No.: RSW920040143US1

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(1)   Nikolaos Anerousis
County of **Westchester**,   City of **Chappaqua**,
and State of **New York**

(2)   Gennaro A. Cuomo
County of **Wake**,   City of **Cary**,
and State of **North Carolina**,

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County of **Durham**,   City of **Durham**,
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and State of **North Carolina**,

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County of **New York**,   City of **New York**,
and State of **New York**,

(6)   Michael Spreitzer
County of **Westchester**,   City of **Croton-On-Hudson**,
and State of **New York**,

(7)   Malgorzata Steinder
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and have executed, respectively, a United States patent application therefor on

(1) _____ , 2004   (2) _____ , 2004

(3) _____ , 2004   (4) _SEPTEMBER 27_ , 2004

(5) _____ , 2004   (6) _____ , 2004

(7) _____ , 2004   (8) _____ , 2004

And 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;

**PATENT
REEL: 015470 FRAME: 0951**

Docket No.: RSW920040143US1

ASSIGNMENT

Whereas, we, Nikolaos Anerousis, Gennaro A. Cuomo, Erik A. Daughtrey, Brian K. Martin, Giovanni Pacifici, Michael Spreitzer, Malgorzata Steinder and Asser N. Tantawi,

(1)   Nikolaos Anerousis
County of **Westchester,**

            City of **Chappaqua,**
            and State of **New York**

(2)   Gennaro A. Cuomo
County of **Wake,**

            City of **Cary,**
            and State of **North Carolina,**

(3)   Erik A. Daughtrey
County of **Durham,**

            City of **Durham,**
            and State of **North Carolina,**

(4)   Brian K. Martin
County of **Wake,**

            City of **Cary,**
            and State of **North Carolina,**

(5)   Giovanni Pacifici
County of **New York,**

            City of **New York,**
            and State of **New York,**

(6)   Michael Spreitzer
County of **Westchester,**

            City of **Croton-On-Hudson,**
            and State of **New York,**

(7)   Malgorzata Steinder
County of **Bergen,**

            City of **Fort Lee,**
            and State of **New Jersey,**

(8)   Asser N. Tantawi
County of **Westchester,**

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            and State of **New York,**

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

(1) _____ , 2004   (2) _____ , 2004

(3) _____ , 2004   (4) _____ , 2004

(5) _____ , 2004   (6) _____ , 2004

(7) _12/15/04_____ , 2004   (8) _____ , 2004

     And 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;

Page 1 of 3

Docket No.: RSW920040143US1

      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 __Hawthorne, NY__ ,
(city/state where signed)

this __27th__ day of __September__, 2004.

__Nikolaos Anerousis__
(inventor)

(2) Signed: _____

at _____ ,
(city/state where signed)

this _____ day of _____, 2004.

__Gennaro A. Cuomo__
(inventor)

(3) Signed: _____

at _____ ,
(city/state where signed)

this _____ day of _____, 2004.

__Erik A. Daughtrey__
(inventor)

(4) Signed: _____

at _____ ,
(city/state where signed)

this _____ day of _____, 2004.

__Brian K. Martin__
(inventor)

Page 2 of 3

Docket No.: RSW920040143US1

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 _____
(city/state where signed)

this _____ day of _____, 2004.

Nikolaos Anerousis
(inventor)

(2) Signed: _____

at __Raleigh, NC__
(city/state where signed)

this __28__ day of __Sept__, 2004.

Gennaro A. Cuomo
(inventor)

(3) Signed: _____

at _____
(city/state where signed)

this _____ day of _____, 2004.

Erik A. Daughtrey
(inventor)

(4) Signed: _____

at _____
(city/state where signed)

this _____ day of _____, 2004.

Brian K. Martin
(inventor)

Page 2 of 3

PATENT
REEL: 015470 FRAME: 0954

Docket No.: RSW920040143US1

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 _____
    (city/state where signed)

this _____ day of _____, 2004.

Nikolaos Anerousis
(inventor)

(2) Signed:

_____

at _____
    (city/state where signed)

this _____ day of _____, 2004.

Gennaro A. Cuomo
(inventor)

(3) Signed: *Erik A. Daughtrey*

at *San Jose, CA* _____
    (city/state where signed)

this *27th* day of *September*, 2004.

Erik A. Daughtrey
(inventor)

(4) Signed:

_____

at _____
    (city/state where signed)

this _____ day of _____, 2004.

Brian K. Martin
(inventor)

PATENT
REEL: 015470 FRAME: 0955

Docket No.: RSW920040143US1

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 _____,
    (city/state where signed)

this _____ day of _____, 2004.

Nikolaos Anerousis
(inventor)

(2) Signed: _____

at _____,
    (city/state where signed)

this _____ day of _____, 2004.

Gennaro A. Cuomo
(inventor)

(3) Signed: _____

at _____,
    (city/state where signed)

this _____ day of _____, 2004.

Erik A. Daughtrey
(inventor)

(4) Signed: _____

at _DURHAM, NC_____,
    (city/state where signed)

this _27_ day of _SEPTEMBER_, 2004.

Brian K. Martin
(inventor)

PATENT
REEL: 015470 FRAME: 0956

Docket No.: RSW920040143US1

(5) Signed:

at ___Hawthorne | New York___ ,
    (city/state where signed)

this _27_ day of _September_, 2004.

<u>Giovanni Pacifici</u>
  (inventor)

(6) Signed:

at ___Hawthorne, NY___ ,
    (city/state where signed)

this _27_ day of _September_, 2004.

<u>Michael Spreitzer</u>
  (inventor)

(7) Signed:

at _____ .
    (city/state where signed)

this _____ day of _____, 2004.

<u>Malgorzata Steinder</u>
  (inventor)

(8) Signed:

at ___Hawthorne, NY___ ,
    (city/state where signed)

this _27_ day of _September_, 2004.

<u>Asser N. Tantawi</u>
  (inventor)

Docket No.: RSW920040143US1

(5) Signed: _____

at _____ ,
     (city/state where signed)

this _____ day of _____, 2004.

<u>Giovanni Pacifici</u>
  (inventor)

(6) Signed: _____

at _____ ,
     (city/state where signed)

this _____ day of _____, 2004.

<u>Michael Spreitzer</u>
  (inventor)

(7) Signed: *Malgouoli Stuinolo* _____

at *Hawthorne, NY* ,
     (city/state where signed)

this _*15*_ day of _*December*_ , 2004.

<u>Malgorzata Steinder</u>
  (inventor)

(8) Signed: _____

at _____ ,
     (city/state where signed)

this _____ day of _____, 2004.

<u>Asser N. Tantawi</u>
  (inventor)

PATENT

REEL: 015470 FRAME: 0958