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100995268

the attached original documents or copy thereof.

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To the Honorable Commissioner of

## 1. Name of conveying party(ies):

Arne W. Ballantine  
Ronald A. Warren

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

Name: International Business Machines Corporation

Internal Address:

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

## 3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Street Address: New Orchard Road

City: Armonk

State: NY

ZIP: 10504

Execution Date: Feb. 26, 1999, March 1, 1999

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

## 4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is: 2/26/99, 3/1/99

A. Patent Application No.(s)

B. Patent No.(s)

09/271527

Additional numbers attached? ☐ Yes ☒ No

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

Name: Eric J. Franklin, Esq.

Internal Address: Pollock, Vande Sande &amp; Amernick

Street Address: Suite 800, 1990 M Street, N.W.

03/26/1999 DNGUYEN 00000178 090456 09271527

01 FC:581

40.00 CH

City: Washington, D.C.

State:

ZIP: 20036

## 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☒ Authorized to be charged to deposit account

## 8. Deposit account number:

09-0456

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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.

William D. Sabo

Tele: (802) 769-9454

Name of Person Signing

Signature

Date

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

3

PATENT

REEL: 9837 FRAME: 0193

MDA 3/16/99

PTO  
10525 U.S. 527  
09/271527  
03/18/99

# ASSIGNMENT

Whereas, We

(1) Arne W. Ballantine  
County of Chittenden

City of South Burlington  
and State of Vermont

(2) Ronald A. Warren  
County of Chittenden

City of Essex Junction  
and State of Vermont

have invented certain improvements in

**Cryogenic/Phase Change Cooling For Rapid Thermal Process Systems**

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

(1) February 26th 1997 .

(2) MARCH 01 1999 .

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 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 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 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.

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(1) Signed at Essex Junction, Vermont

on 2/26/99

Arne W. Ballantine  
Arne W. Ballantine

Signature

(2) Signed at ESSEX JCT, VT

on 03/01/99

Ronald A. Warren  
Ronald A. Warren

Signature