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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Robert Barton Garner**Winfried Wolfgang Wilcke**

10-29-04

Additional name(s) of conveying party(ies) attached? Yes ☒ No

3. Nature of conveyance:

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

Execution Date: 10/19/04, 10/29/04

2. Name and address of receiving party(ies)

Name: **International Business Machines Corporation**

Internal Address: _____

Street Address: **New Orchard Road**City: **Armonk** State: **NY** Zip: **10504**Additional name(s) & address(es) attached? ☐ Yes ☒ No

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: 10/29/04

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

10977159

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

Name: **IBM Corporation**

Internal Address: _____

Intellectual Property Law (C4TA/J2B)Street Address: **650 Harry Road**City: **San Jose** State: **CA** Zip: **95120**6. Total number of applications and patents involved: **1**7. Total fee (37 CFR 3.41).....\$ **40**☐ Enclosed☒ Authorized to be charged to deposit account

8. Deposit account number:

09-0441

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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.***Mark C. McCabe**

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Signature

10/29/04

Date

Total number of pages including cover sheet, attachments, and documents: **3**

Mail documents to be recorded with required cover sheet information to:

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11/03/2004 BTOW11 00000263 090441 10977159

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PATENT
REEL: 015941 FRAME: 0770

ASSIGNMENT

Whereas, we,

(1) Robert Barton Garner

City of San Jose

County of Santa Clara

State of California

(2) Winfried Wolfgang Wilcke

City of Los Altos Hills

County of Santa Clara

State of California

have invented certain improvements in *(Title of Invention)*:

METHOD FOR HIGH-DENSITY PACKAGING AND COOLING OF HIGH-POWERED ELECTRONICS (IceBlade Architecture)

and executed a Declaration and Power of Attorney for a United States patent application therefor on

(1) 10/29/2004

(2) 10/29/04

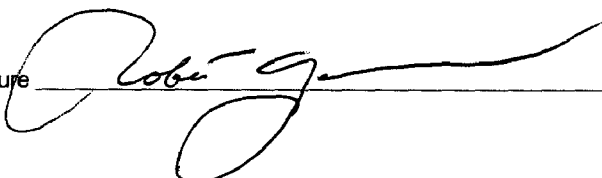
Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504 (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to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

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 inventions 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.

Execution by Inventors

(1) Inventor: Robert Barton Garner

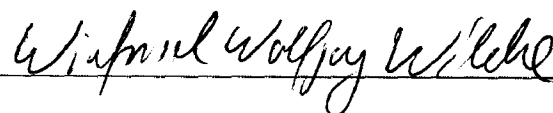
City/State San Jose, CA

Signature 

Date 10/29/04

(2) Inventor: Winfried Wolfgang Wilcke

City/State: Los Altos Hills, CA

Signature 

Date 10/29/2004