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MSA 8-31-98

10540 U.S. PTO
09/144181
08/31/98

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

1. Name of conveying party(ies):
Peter Nangle

2. Name and address of receiving party(ies):
Name: Intel Corporation
Internal Address:

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

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

Street Address: 2200 Mission College Boulevard
City Santa Clara State Ca. ZIP 95052

Execution Date: 8/24/98

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: 8/31/98

A. Patent Application No.(s) B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Blakely, Sokoloff, Taylor & Zafman
Internal Address:
Street Address: 12400 Wilshire Blvd.
7th Floor
City: Los Angeles State: CA ZIP: 90025

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00
 Enclosed
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8. Deposit account number:
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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.

Michael A. Bernadicou
Name of Person Signing

Michael A. Bernadicou
Signature

8/31/98
Date

Total number of pages comprising cover sheet, attachments, and document: 3

Mail documents to be recorded with required cover sheet information to:
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Attorney Docket No.: 42390.P5598

LJV/ccm (01/31/96)

09/09/1998 JMWTK 09/144181 40.00

PATENT
REEL: 9429 FRAME: 0898

No.: 42390.P5598 (For Execution Prior To Filing Patent Application)

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, I,

the undersigned, Peter Nangle,hereby sell, assign, and transfer to Intel Corporationa corporation of Delaware, having a principal place of business at

2200 Mission College Boulevard, Santa Clara, California 95052, ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the application for the United States patent that has been executed by the undersigned prior hereto or concurrently herewith on the dates indicated below and is entitled AN ELECTRONICS PACKAGE HAVING A BALL GRID ARRAY WHICH IS ELECTRICALLY

ACCESSIBLE

and in and to said application and all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Each Inventor: Please Sign and Date Below:

24 August, 19 98 P. Nangle
 Date Name: Peter Nangle

**Each Inventor:
 Please also list the
 date that you
 signed the
 accompanying
 DECLARATION
 AND POWER OF
 ATTORNEY:**

26 August, 19 98
 Date

State of: _____ }
 _____ } SS.
 County of: _____ }

Assignment Document Return Address:
 BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
 12400 Wilshire Blvd., Seventh Floor
 Los Angeles, CA 90025-1026
 (408) 720-8598

On this ____ day of _____, 19____, before me, _____,
 the undersigned Notary Public, personally appeared _____
 [] personally known to me [] proved to me on the basis of satisfactory evidence to be the person(s)
 whose name(s) _____ subscribed to the within instrument, and acknowledged that _____ executed it.
 WITNESS my hand and official seal.

 Notary's Signature