

12-13-2006

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103348318

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) **FINANCE SECTION**

12/11/06
1. Name of conveying party(ies):
Rahul N. Manepalli; Saravanan Krishnan; Choong Kooi Chee

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

3. Nature of Conveyance:
☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: 01/05/03; 12/24/02; 01/22/03

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

Name: **Intel Corporation**

Internal Address:

Street Address: **2200 Mission College Boulevard**

City: **Santa Clara** State: **CA** Zip: **95052**

Country: **United States**

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

4. Application number(s) or patent number(s): ☐ This document is being filed together with a new application.

A. Patent Application No.(s)

10/774,155

B. Patent No.(s)

Additional numbers attached? ☒ No ☐ Yes

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

Name: **Blakely, Sokoloff, Taylor & Zafman LLP**

Internal Address:

Street Address: **12400 Wilshire Boulevard
7th Floor**

City: **Los Angeles** State: **CA** ZIP: **90025**

Phone Number: **(503) 439-8778**

Fax Number: **(503) 439-6073**

E-mail Address: **james_howard@bstz.com**

6. Total number of applications and patents involved: **1**

7. Total Fee (37 CFR 3.41).....\$ **40.00**

☒ Enclosed

☐ Authorized to be charged to deposit account

8. Deposit Account Number:

02-2666

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.

James M. Howard

Name of Person Signing

Signature

December 6, 2006

Date

Total number of pages including cover sheet, attachments, and document: **7**

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:

Mail Stop Assignment Recordation Services
Director of the US Patent and Trademark Office
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Alexandria, VA 22313-1450

12/12/2006 DBYRNE 00000049 10774155

01 FC:8021

Docket No. 42P13856D

(40.00 DP)

PATENT
REEL: 018686 FRAME: 0935

ASSIGNMENT

(For Execution *After Filing* Patent Application)

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, We
the undersigned Rahul N. Manepalli, Saravanan Krishnan, Choong Kooi Chee
hereby sell, assign, and transfer to Intel Corporation
a corporation of Delaware, having a principal place of
business at 2200 Mission College Blvd., 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 was filed November 4, 2002
and assigned Application No. 10/287,318 and is entitled:

AN UNDERFILLING PROCESS IN A MOLDED MATRIX ARRAY PACKAGE USING FLOW FRONT MODIFYING SOLDER RESIST

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.

Date: Jan 08, 2003

Rahul Manepalli
Name: **Rahul N. Manepalli**

Date: _____

Name: **Saravanan Krishnan**

Date: _____

Name: **Choong Kooi Chee**

Assignment Document Return Address:

BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP
12400 Wilshire Blvd., Seventh Floor
Los Angeles, California 90025-1026
(512) 330-0844 Telephone

ASSIGNMENT

(For Execution *After Filing* Patent Application)

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, We,
the undersigned Rahul N. Manepalli, Saravanan Krishnan, Choong Kooi Chee,
hereby sell, assign, and transfer to Intel Corporation
a corporation of Delaware, having a principal place of
business at 2200 Mission College Blvd., 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 was filed November 4, 2002
and assigned Application No. 10/287,318 and is entitled:

AN UNDERFILLING PROCESS IN A MOLDED MATRIX ARRAY PACKAGE USING FLOW FRONT MODIFYING SOLDER RESIST

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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.

Date: _____

Name: **Rahul N. Manepalli**

Date: 12-24-02


Name: **Saravanan Krishnan**

Date: _____

Name: **Choong Kooi Chee**

Assignment Document Return Address:

BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP

12400 Wilshire Blvd., Seventh Floor

Los Angeles, California 90025-1026

(512) 330-0844 Telephone

ASSIGNMENT

(For Execution After Filing Patent Application)

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, We the undersigned Rahul N. Manepalli, Saravanan Krishnan, Choong Kooi Chee hereby sell, assign, and transfer to Intel Corporation a corporation of Delaware, having a principal place of business at 2200 Mission College Blvd., 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 was filed November 4, 2002 and assigned Application No. 10/287,318 and is entitled:

AN UNDERFILLING PROCESS IN A MOLDED MATRIX ARRAY PACKAGE USING FLOW FRONT MODIFYING SOLDER RESIST

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.

Date: _____

Name: **Rahul N. Manepalli**

Date: _____

Name: **Saravanan Krishnan**

Date: 22 January, 2003


Name: **Chooong Kwei Chee**

Assignment Document Return Address:

BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP

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Los Angeles, California 90025-1026

(512) 330-0844 Telephone

BSTZ Docket No.: 42P13856

2

Serial No.: 10/287,318

PATENT

RECORDED: 12/11/2006

REEL: 018686 FRAME: 0941