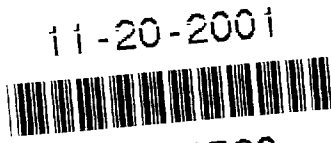


REC



101898568

HEET

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

1. Name of conveying party(ies):
David D. BOGGS, Rebecca JESSEP, Carolyn McCORMICK
and Daryl A. SATO
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies):
Name: INTEL CORP.
Internal Address:
Street Address: 2200 Mission College Blvd. SC4-202,
City: Santa Clara State: California Country: U.S.A.
Zip: 95052
Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other
Execution Date: 10/30/01 and 11/01/01

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:
A. Patent Application No.(s) 09/962,094
Additional numbers attached? Yes No

B. Patent No.(s)
6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 3.41)\$40.00
 Enclosed
 Any deficiencies may be charged to deposit account
 Authorized to be charged to deposit account

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: ANTONELLI, TERRY, STOUT & KRAUS, LLP
Internal Address:
Street Address: 1300 North Seventeenth Street
Suite 1800
City: Arlington, State: Virginia Zip: 22209

8. Deposit account number: 01-2135
(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

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.

George N. Stevens
Name of Person Signing
Attorney Registration No. 36,938

Signature

November 14, 2001
Date

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

ASSIGNMENT

(For Execution After Filing Patent Application)

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, David D. BOGGS, Rebecca JESSEP, Carolyn McCORMICK and Daryl A. SATO, the undersigned, of 2963 SE Cornutt St., Hillsboro, OR 97123, 2485 SW Oakwood Drive, Dallas, Oregon 97338, 2802 NE 9th Drive, Hillsboro, OR 97124 and 17230 NW Lone Rock Lane, Beaverton, OR 97006, hereby sell, assign, and transfer to INTEL CORPORATION a corporation of Delaware, having a principal place of business at 2200 Mission College Boulevard, SC4-202 Santa Clara, CA 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 September 26, 2001 and assigned Application No. 09/962,094 and is entitled SYSTEM AND METHOD FOR PRINTED CIRCUIT BOARD CONDUCTOR CHANNELING, 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:

10-30, 2001
Date

David B. Boggs
Name: David B. BOGGS
w. lab

11-01, 2001
Date

Rebecca Jessep
Name: Rebecca JESSEP

11-01, 2001
Date

Carolyn McCormick
Name: Carolyn McCORMICK

10/30, 2001
Date

Daryl A. SATO
Name: Daryl A. SATO

_____, 20____
Date

Name:

_____, 20____
Date

Name:

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

10-30, 2001
Date

11-01, 2001
Date

11-01, 2001
Date

10/30, 2001
Date

_____, 20____
Date

_____, 20____
Date

State of: _____

} Assignment Document Return Address:
} SS. ANTONELLI, TERRY, STOUT & KRAUS, LLP
} 1300 N. Seventeenth St., Suite 1800
} Arlington, VA 22209
} (703) 312-6600; fax (703) 312-6666

County of: _____

On this _____ day of _____, 20____,
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