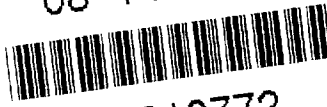


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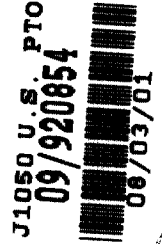
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To the Commissioner for Patents

Record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Joerg HENKEL and Haris LEKATSAS
8/3/01
Additional name(s) of conveying party(ies) attached?
 yes no

2. Name and address of receiving party(ies)?
NEC USA, INC.
4 Independence Way
Princeton, NJ 08540
Additional name(s) & address(es) attached?
 yes no



3. Nature of Conveyance:
 Assignment Merger
 Security Agreement Change of Names
 Other

Execution Date: July 26, 2001

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: July 26, 2001
A. Patent Application No.(s)/Confirmation No.(s) B. Patent No.(s)
09926854
Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC
2100 Pennsylvania Avenue, N.W.
Suite 800
Washington, D.C. 20037-3213

6. Total number of applications and registration involved:
1
7. Total Fee (37 CFR 3.41): \$40.00
 Enclosed. Please charge any underpayment in connection with this Assignment to Deposit Account No. 19-4880.
 Authorized to be charged to Deposit Account
8. Deposit Account No. 19-4880

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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.
[Signature] August 3, 2001
Howard L. Bernstein Reg. No. 25,665 Date

TOTAL NUMBER OF PAGES COMPRISING COVER SHEET, ATTACHMENTS AND DOCUMENT: 3

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08/13/2001 670M11 00000099 09920854
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ASSIGNMENT
(from Inventor to NEC USA, Inc.)

WHEREAS, We, Jörg HENKEL and Haris LEKATSAS,
hereinafter called assignors, have invented certain improvements in

**METHOD AND APPARATUS FOR ADAPTIVE BUS CODING FOR
LOW POWER DEEP SUB-MICRON DESIGNS**

and have executed an application for Letters Patent of the United States of America therefor on
July 26, 2001; and

WHEREAS, NEC USA, INC.
4 Independence Way
Princeton, NJ 08540

hereinafter called assignee, desires to acquire our entire right, title, and interest in the application and the invention disclosed therein for the United States of America, and to any United States patents to be obtained therefrom;

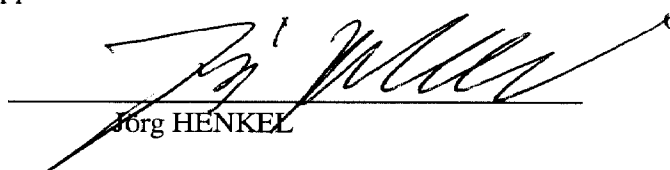
NOW THEREFORE, for valuable consideration, receipt whereof is hereby acknowledged,

We, the above-named assignors, hereby sell, assign and transfer to the above-named assignee, its successors and assigns, our entire right, title, and interest in the application and the invention disclosed therein for the United States of America, including any rights of priority under 35 U.S.C. § 119, and in and to any and all Letters Patent to be held by the above-named assignee as it would have been held by us had this assignment, transfer and sale not been made; and we request that any Letters Patent on the invention to be issued in our names be issued in the name of the above-named assignee herein, its successors and assigns; and we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

We hereby authorize and request our attorneys, SUGHRUE, MION, ZINN, MACPEAK & SEAS, of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3202 to insert here in parentheses (Application Number _____, Confirmation Number _____, filed _____) the filing date, application number and confirmation number of said application when known.

Date:

7/26/01

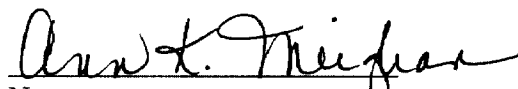


Jörg HENKEL

NOTARY

State of New Jersey)
County of Middlesex) ss:

On this 26th day of July 2001, before me personally came Jörg HENKEL, to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.



Notary ANN K. MEIGHAN
Notary Public of New Jersey
My Comm. Exp. March 12, 2003

Date: 7/26/01

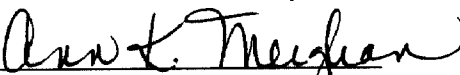


Haris LEKATSAS

NOTARY

State of New Jersey)
County of Middlesex) ss:

On this 26th day of July 2001, before me personally came Haris LEKATSAS, to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.



Notary ANN K. MEIGHAN
Notary Public of New Jersey
My Comm. Exp. March 12, 2003