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	IEET U.S. DEPARTMENT OF COMMERCE	
Form PTO-1595 $1/2200$ (1011 001 001 000 1/200 1015523)	R MILLEET U.S. DEPARTMENT OF COMMERCE 305 Patent and Trademark Office	
MB No. 0651-0011 (exp. 4/94)	Docket No.: FUM-03101	
Name of conveying party(ies):	2. Name and address of receiving party(ies)	
Koichiro Aoyama	Name: <u>NEC Corporation</u>	
dditional name(s) of conveying party(ies) attached? iesNo $\underline{X}$	Internal Address:	
ature of conveyance:		
() Assignment () Merger	Street Address: 7-1 Shiba 5 chome	
) Security Agreement ( ) Change of Name	Minato-ku, Tokyo JAPAN	
) Other: xecution Date: <u>November 24, 2000</u>	Additional name(s) & address(es) attached? Yes No $\underline{X}$	
. Application number(s) or patent number(s):	a/12/22/0	
	1/12200	
f this document is being filed together with a new application, the	he execution date of the applications is: <u>November 24, 2000</u> B. Patent No.(s)	
Patent Application No.(s) Additional numbers att		
Name and address of party to whom correspondence	6. Total number of applications and patents involved: 1	
concerning document should be mailed:		
Name: Patent <u>Group</u>		
nternal Address: <u>Hutchins, Wheeler &amp; Dittmar</u>		
treet Address: <u>101 Federal Street</u>		
ity: <u>Boston</u> State: <u>MA</u> ZIP: <u>02110</u>		
	7.Total fee (37 CFR 3.41)\$_\$40.00	
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	account)	
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Donald W. Muirhead; 33,978 Name of Person Signing Total number of pages including co	on is true and correct and any attached copy is a true copy of the November 28, 2000 Date Date Date th required covered sheet information to: & Trademarks, Box Assignments Trademarks, Box Assignments	
Commissioner of Patents Washing	ton, D.C. 20231	

PATENT REEL: 011329 FRAME: 0158

## ASSIGNMENT

WHEREAS, cach of the Undersigned has developed certain inventions described in U.S. patent application entitled:

## SINGLE CHIP MICROCOMPUTER

- (x) executed on even date herewith;
- (x) executed on even date herewith;
  () executed on \_\_\_\_\_;
  () now U.S. Application No. \_\_\_\_\_\_ filed \_\_\_\_;

and has full right to convey their entire interest, both legal and equitable, in and to said inventions free from all prior assignments, agreements, licenses, mortgages, security interests, or other encumbrances whatsoever; and

WHEREAS, NEC Corporation ("ASSIGNEE"), a Japanese corporation having executive offices at 7-1. Shiba 5-chome, Minato-ku, Tokyo, Japan, is desirous of acquiring the entire right, title and interest in and to said invention or inventions and any and all patents to be obtained therefor;

NOW. THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged by each of the Undersigned, each of the Undersigned hereby sells, assigns and transfers unto said ASSIGNEE, its successors and assigns, their entire right. title and interest in and to said invention or inventions, as described in the aforesaid application and all applications resulting therefrom, including any and all divisionals, continuations, continuations in part, substitute application, and reissues or extensions thereof; and all resulting patents;

AND each of the Undersigned hereby authorizes and requests the issuing authority to issue any and all patents on said application or applications to said ASSIGNEE or its successors and assigns; the Undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE;

AND, each of the Undersigned further agrees, without any further payment or compensation by said ASSIGNEE or its successors and assigns. to communicate to said ASSIGNEE, its representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings whenever requested; to testify in any interference or other legal proceedings, whenever requested; to execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and to generally do everything possible to aid said ASSIGNEE, its successors or assigns and nominces to secure, obtain and enforce proper patent protection for said invention or inventions in this or any foreign country:

Each of the undersigned hereby authorizes Hutchins, Wheeler & Dittmar, of 101 Federal Street, Boston, MA 02110. to insert hereon any further identification information necessary or desirable for recordation of this document.

Inventors(s)	Date Signed	Witnesses
1. <u>Hoichiro Aoyama</u> (E) Name: Koichiro AOYAMA	November 24, 2000	Sitali Ukai Aleta modo
2 Name:		
3 Name:		
4 Name:		

() Additional inventors are being named on separately numbered sheets attached hereto.

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## PATENT REEL: 011329 FRAME: 0159

**RECORDED: 11/28/2000**