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Conveying Party(ies)			Execution	on Date(s)	
1. Yoshiyuki HARAGUCHI			Septemb	per 7, 2001	
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Address 2-3, Marunouchi 2-ch Address	ome, Chiyoda-ku	07/7	100-831 Zip Code	$\boldsymbol{o}$	
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Jeffrey A. Wyand	John John John John John John John John	ju que		7 21,2001	
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**PATENT** 

**REEL: 012197 FRAME: 0047** 

## **ASSIGNMENT**

In consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is acknowledged, the undersigned,

Yoshi	yuki HARAGUCHI
2-1 sells,	Mitsubishi Denki Kabushiki Kaisha  3, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8310 JAPAN assigns, and transfers to  subishi Denki Kabushiki Kaisha
of <u>2-3</u>	, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8310 JAPAN
	ssignee), its successors and assigns, the entire right, and interest in and to:
(i)	the application for United States Letters Patent entitled:
	MICROPROCESSOR
	which was executed by the undersigned on <u>September 7</u> , 2001 or was filed on and accorded Serial No (the Application);
(ii)	any and all inventions and improvements that are described in the Application;
(iii)	any and all United States Letters Patents that may be granted on the Application (the Patent);
(iv)	any and all divisions, continuations, reexaminations, reissues, or extensions of the Application or the Patent; and
(V)	all benefits under the International Convention for the Protection of Industrial Property.

I authorize the Assignee and its agents to insert in this instrument the filing date and serial number of the Application.

I authorize and request the Commissioner of Patents to issue any and all Letters Patent, when granted, to the Assignee.

PATENT REEL: 012197 FRAME: 0048 Further, it is agreed that, when requested, without charge to, but at the expense of, the Assignee, the undersigned will execute all divisional, continuing, or reissue patent applications; execute all additional assignments and other writings, including reissue and reexamination papers; and provide all reasonable assistance requested by the Assignee to secure and maintain appropriate patent protection for any invention described in the Application.

INVENTOR	Date
Yoshiyuki HARAGUCHI	Sep. 7, 2001

RECORDED: 09/21/2001

PATENT REEL: 012197 FRAME: 0049