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execution date of the application is: August 17, 2001
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PATENT REEL: 012311 FRAME: 0402

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In consideration of value received, I, having a mailing address at c/o Intellectual Property Division, KABUSHIKI KAISHA TOSHIBA, 1-1 Shibaura 1-chome, Minato-ku, Tokyo 105-8001, Japan and a residence as stated below next to my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled:

SEMICONDUCTOR APPARATUS

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nventor: (Signature) I	Date aug. 17, 200	Residence
Jasunon Usur		Yokohama-shi, Japan
	AUG. 1 7. 2001	
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