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Conveying Party(ies) Makio OKADA Yasushi KASATANI Tomoaki HASHIMOTO GRSS GRSS 			Augu Augu	ution Date(s) st 6, 2001 st 6, 2001 st 6, 2001	
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Docket No.:

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

(1) Makio OKADA	(4)	(7)
(2) Yasushi KASATANI	(5)	(8)
(3) Tomoaki HASHIMOTO	(6)	(9)

who have made a certain new and useful invention, hereby sell, assign and transfer unto

Mitsu	ibishi	Denki	Kabushi	ki Kais	ha of		
2-3.	Maruno	uchi	2-chome.	Chivod	a-ku.	TOKYO	100 - 8310

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

JAPAN

LAND GRID ARRAY TYPE SEMICONDUCTOR DEVICE AND METHOD OF MOUNTING THE SAME

(a) for which an application for United States Letters Patent was filed on _____, and identified by United States Serial No. _____; or

(b) for which an application for United States Letters Patent was executed on <u>August 6, 2001</u>

and the undersigned hereby authorize and request the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE:

AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the dates indicated aside our signatures:	DATE SIGNED	
INVENTORS	August 6, 2001	
1) <u>Makie Okada</u> Name: Makio OKADA 2) <u>Yasushi Kasatani</u>	August 6, 2001	
Name: Pasusni RASAIANI	August 6, 2001	
Name: Tomoaki HASHIMOTO		
4)		~~~
5)		
6) Name:		
7)		
8) Name:		
9) Name:		

PATENT REEL: 012279 FRAME: 0124

RECORDED: 10/23/2001