Atty Docket No.:

202819US2XPCT/hc



FORM PTO-1595 1-31-92

101747937

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Takanao SUZUKI 1) FUJIKURA LTD. Name: Masatoshi INABA Tadanori OMINATO 2) TEXAS INSTRUMENTS JAPAN Masahiro KAIZU LIMITED Akihito KUROSAKA Masatoshi INABA Address 1) 1-5-1, Kiba, Koto-ku, Nobuyuki SADAKATA Tokyo 135-8512 JAPAN Mutsumi MASUMOTO Kenji MASUMOTO 2) 1, Nishi-Shinjuku, Shinjuku-ku, Tokyo 160-8366 JAPAŇ Additional name(s) of conveying party(ies) attached? □Yes ■No 3. Nature of Conveyance: ■ Assignment □ Merger □ Security Agreement ☐ Change of Name □ Other Additional name(s) and address(es) attached? □Yes ■No Execution Date: March 26, 23, 26, 27, 26, 26, 26, April 9, and 9, 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: A. Patent Application No.(s) B. Patent No.(s) 09/744,976 Additional numbers attached? □Yes ■No 5. Name and address of party to whom correspondence 6. Total applications and patents involved: 1 concerning document should be mailed: 7. Total fee (37 CFR 3.41): \$40.00 ■ Enclosed ☐ Authorized to be charged to deposit account 15-0030 8. Deposit account number: 22850 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 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. Marvin J. Spivak Name of Person Signing Joseph A. Scafetta, Jr. Registration Number: 24,913 Registration No. 26,803 Total number of pages including this cover sheet: Do not detach this portion

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> **PATENT** REEL: 011870 FRAME: 0742

POFFICO/BCI-US PCT/GRES/ODES 202819US2XPCT 09/744,976

Assignment Of Application

Page 1 of 3

	WHEREAS, I (WE) 1) Takanao SUZUKI 2) Masatoshi INABA 3) Tadanori
AMES	OMINATO 4) Masahiro KAIZU 5) Akihito KUROSAKA 6) Masatoshi INABA
DENCE ES OF NTORS:	7) Nobuyuki SADAKATA 8)Mutsumi MASUMOTO 9)Kenji MASUMOTO of:
	1-7) Fujikura Ltd., 1-5-1, Kiba, Koto-ku, Tokyo 135-8512 JAPAN
	8-9) Texas Instruments Japan Limited, 4260, Aza Takao, O-Aza Kawasaki,
	Hiji-machi, Hayami-gun, Oita 879-1505 JAPAN
TLE TION:	have invented certain new and useful improvements in: SEMICONDUCTOR PACKAGE, SEMICONDUCTOR PACKAGE, DEVICE, ELECTRONIC DEVICE, AND METHOD OF MANUFACTURING SEMICONDUCTOR PACKAGE
ATE IN- SIGNED TION:	March 26, 23, 26, 27, 26, 26 for which an application for Letters Patent was executed on April 9, 9, 2001
	(Application No. 09/744,976 , filed June 4, 2001), and
ME RESS OF OR SIGNEE:	
SIGNEE.	1) FUJIKURA LTD. WHEREAS, 2) TEXAS INSTRUMENTS JAPAN LIMITED
	1) FUJIKURA LTD. WHEREAS, 2) TEXAS INSTRUMENTS JAPAN LIMITED (hereinafter referred to as "ASSIGNEE") having a place of business at:
	1) FUJIKURA LTD. WHEREAS, 2) TEXAS INSTRUMENTS JAPAN LIMITED (hereinafter referred to as "ASSIGNEE") having a place of business at:
	1) FUJIKURA LTD. WHEREAS, 2) TEXAS INSTRUMENTS JAPAN LIMITED

Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continua-

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tions, substitutions and renewals thereof.

PATENT REEL: 011870 FRAME: 0743

Page 2 of 3

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: March 26 2001	Signature of Inventor) Takanao SUZUKI
Date: March 23 200/	Masatoshi INABA (Signature of Inventor) Masatoshi INABA
Date: March 26, 200/	Tadanou Ominato (Signature of Inventor) Tadanori OMINATO
Date: March 27 2001	Masahiro Haunyu (Signature of Inventor) Masahiro KAIZU
Date: March 26 200/	(Signature of Inventor) Akithico KUROSAKA
Date: March 26 2001	
Date: March 26, 200/	
Date: April 9, 2001	2 (
Date: March 26 2001 Date: March 26 2001 Date: March 26, 2001	(Signature of Inventor) Masahiro KAIZU Ath to Kune Ato (Signature of Inventor) Akihito KUROSAKA Masatoshi Inaha (Signature of Inventor) Masatoshi INABA Oblitical Atomoto Sabakata (Signature of Inventor) Nobuyuki Sabakata Mutsumi Masumoto (Signature of Inventor) Mutsumi MASUMOTO

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

ATTORNEYS AT LAW FOURTH FLOOR 1755 JEFFERSON DAVIS HIGHWAY ARLINGTON, VIRGINIA 22202

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I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

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Date: April 9, 2001	(Signature of Inventor) Kenji MASUMOTO
Date:	(Signature of Inventor)

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