

07-15-1998

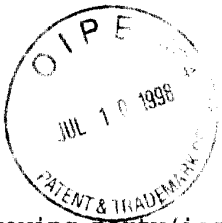


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To the Assistant Commissioner Please record the attached original

ATTN. BOX ASSIGNMENTS

1. Name of conveying party(ies): 1) Soichi INOUE 2) Hisashi KANEKO 3) Masahiko HASUNUMA 4) Takamasa USUI 5) Masami AOKI 6) Kazuko YAMAMOTO 7) Sachiko KOBAYASHI Additional names(s) of conveying party(ies) attached? Yes X No



2. Name and address of receiving party(ies): Name: KABUSHIKI KAISHA TOSHIBA Internal Address:

3. Nature of conveyance: X Assignment Merger Security Agreement Change of Name Other Execution Date: Inventor 5) June 16, 1998 Inventors 1) - 4), 6) and 7) June 23, 1998

Street Address: 72 Horikawa-cho, Saiwai-ku, Kawasaki-shi, Japan City: State: ZIP: Additional name(s) & address(es) attached? Yes X No

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 Nos. 09/024,225 B. Patent No.(s) Additional numbers attached? YES X NO

6. Total number of applications and patents involved 1

5. Name and address of party to whom correspondence concerning document should be mailed: Name: Mr. Ernest F. Chapman Internal Address: Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.P. Street Address: 1300 I Street, N.W. City: Washington, D.C. State: ZIP: 20005

7. Total fee (37 CFR 3.41): \$ 40.00 X Enclosed Authorized to be charged to deposit account 8. Deposit account number: 06-0916

07/14/1998 JSHADAZZ 00000150 09024225 01 FC:561 40.00 DP

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. Richard V. Burqujian Name of Person Signing

Signature

July 10, 1998 Date

A S S I G N M E N T

In consideration of value received, I, having a post office address at c/o Intellectual Property Division, KABUSHIKI KAISHA TOSHIBA, 1-1 Shibaura 1-chome, Minato-ku, Tokyo 105, 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:

METHOD OF MANUFACTURING SEMICONDUCTOR DEVICE

said application having been filed on February 17, 1998
and assigned Serial No. 09/024,225 ;
sell and assign to
KABUSHIKI KAISHA TOSHIBA
a corporation of Japan, having a business address at
72 Horikawa-cho, Saiwai-ku, Kawasaki-shi, Japan

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said application for United States patent: (check one)

executed concurrently herewith;

executed separately herefrom;

and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention in all countries.

I hereby grant the following law firm the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the Rules of the U.S. Patent and Trademark Office for recordation of this document.

Finnegan, Henderson, Farabow, Garrett & Dunner, 1300 I Street, N.W.,
Washington, D.C., 20005-3315

ASSIGNMENT

97S0925

Inventor: (Signature) Date Residence

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