RECORDATION FORM COVER SHEET PURSUANT TO 37 C.F.R. § 3.311

Hon. Commissioner of Patents and Trademarks BOX ASSIGNMENTS Washington, D.C. 20231

Sir:

Please record the attached original documents or copy thereof.

MANUFACTURING METHOD

1. Name of conveying party/parties:

Kiyofumi SAKAGUCHI, 19-2-504, Edahigashi 2-chome, Tsuzuki-ku, Yokohama-shi, Kanagawa-ken, Japan: and Kazutaka YANAGITA, 8-8-302, Mori 1-chome, Isogo-ku. Yokohama-shi, Kanagawa-ken, Japan

2. Name and address of receiving party/parties:

Name CANON KABUSHIKI KAISHA Internal Address: Street Address: 30-2, Shimomaruko 3-chome ____ State Tokyo, Japan ZIP City Ohta-Ku 1 Additional names and addresses attached. Name of conveyance: [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other _____ Execution Date: 11/19/98

4. Application Number(s) of Patent Number(s):

 $\mid x \mid$ This document is being filed together with a new application which was executed on 11/10/98

[] Patent Application No.(s)

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3.

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5. Address all future communications to:

MORGAN & FINNEGAN, L.L.P. 345 Park Avenue New York, New York 10154

- 6. Total number of applications and patents involved:
- 7. Total fee (37 CFR §3.41): \$40.00 property x $\underline{1}$ property(ies) = \$ $\underline{$40.00}$.
 - [X] A check in the amount of 40.00 to cover the recordation fee is enclosed.
 - [] Charge fee to Deposit Account No. 13-4500. Order No. _____.
 - [X] The Commissioner is hereby authorized to charge any additional fees which may be required for this recordation, or credit any overpayment to Deposit Account No. 13-4500. Order No. <u>1232-4493</u>.
- 8. 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.

Respectfully submitted,

MORGAN & MINNEGAN, L.L.P. Michael M. Murra Registration No. 3

Dated: December 15, 1998

CORRESPONDENCE ADDRESS:

MORGAN & FINNEGAN, L.L.P. 345 Park Avenue New York, New York 10154 (212) 758-4800 (212) 751-6849 Facsimile

FORM: REC-PAT.NY Rev 05/26/98

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JOINT (BEFORE APPLICATION FILED)

ASSIGNMENT OF PATENT RIGHTS FOR THE UNITED STATES

FOR VALUE RECEIVED, We, Kiyofumi SAKAGUCHI and Kazutaka YANAGITA

citizens of Japan

residing respectively at

19-2-504, Edahigashi 2-chome, Tsuzuki-ku, Yokohama-shi, Kanagawa-ken, Japan; and

8-8-302, Mori 1-chome, Isogo-ku, Yokohama-shi, Kanagawa-ken, Japan

hereby sell, assign, transfer and convey unto Canon Kabushiki Kaisha

a corporation of Japan

having a place of business at

30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo, Japan

its successors, assigns and legal representatives (hereinafter called the "Assignee"), the entire right, title and interest, for the United States, in and to certain inventions relating to

POROUS REGION REMOVING METHOD AND SEMICONDUCTOR SUBSTRATE MANUFACTURING METHOD

and described in an application for Letters Patent of the United States executed by each of us, respectively, on the date indicated below and in and to said application, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted, thereon, and all reissues and extensions thereof; and we hereby authorize and request the Commissioner for Patents and Trademarks of the United States to issue all Letters Patent upon said inventions to the Assignee or to such nominees as it may designate

AND we authorize and empower the said Assignce or nominees to invoke and claim for any application for patent or other form of protection for said inventions, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us

AND we hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in the United States for any purpose and more particularly in proof of the right of said Assignee or nominees to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

PATENT REEL: 9653 FRAME: 0590

AND we hereby covenant that we have the full right to convey the entire right, title and interest herein assigned and that we have not executed and will not execute any agreement in conflict herewith.

AND we hereby covenant and agree that we will communicate to said Assignee or nominees all facts known to us pertaining to said inventions, and testify in all legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and declarations and in general perform all lawful acts necessary or proper to aid said Assignee or nominees in obtaining, maintaining and enforcing all lawful patent protection for said inventions in the United States.

By: Myofumi Sahaguchi Date: November 19,1998 Kiyofumi SAKAGUCHI

By: <u>kazutaka Jangita</u> Date: <u>November 19 1798</u> Kazutaka YANAGITA

RECORDED: 12/15/1998