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TRANS

DATION

Atty. Docket: 35.C13700



To the Commissioner of Patents a

original documents or copy thereof.

101178249



1. Name of conveying party(ies):

- (1) YASUSHI FUJIOKA
- (2) SHOTARO OKABE
- (3) MASAHIRO KANAI
- (4) AKIRA SAKAI
- (5) TADASHI SAWAYAMA
- (6) YUZO KODA
- (7) TAKAHIRO YAJIMA

Additional name(s) of conveying party(ies) attached?

Yes No

2. Name and address of receiving party(ies):

Name: CANON KABUSHIKI KAISHA

Foreign Address: 30-2, Shimomaruko 3-chome
Ohta-ku, Tokyo, Japan

Domestic Address: _____

3. Nature of conveyance: MRO 10-18-99

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date: (1) September 11, 1999; (2) September 8, 1999, (3) September 6, 1999; (4)-(7) September 9, 1999

City: _____ State _____ ZIP _____

Additional name(s) & address(es) attached? Yes 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 Number: 09/363,825
Filing Date: July 30, 1999

B. Title of Invention:
PRODUCTION PROCESS OF SEMICONDUCTOR LAYER,
FABRICATION PROCESS OF PHOTOVOLTAIC CELL
AND PRODUCTION APPARATUS OF SEMICONDUCTOR
LAYER

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Fitzpatrick, Cella, Harper & Scinto

30 Rockefeller Plaza

New York, New York 10112-3801

Telephone No.: (212) 218-2100

Facsimile No.: (212) 218-2200

6. Number of applications and patents involved:

One

7. Total fee (37 CFR 3.41): . . . \$ 40.00

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number (for deficiency or excess)

06-1205

(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 the attached is the original document or is a true copy of the original document.

PETER SAXON

Name of Person Signing

Signature

October 7, 1999

Date

Total number of pages including cover sheet, attachments, and documents:

JOINT

(AFTER APPLICATION FILED)

ASSIGNMENT OF PATENT RIGHTS FOR THE UNITED STATES

FOR VALUE RECEIVED, WE,

YASUSHI FUJIOKA, SHOTARO OKABE, MASAHIRO KANAI,
AKIRA SAKAI, TADASHI SAWAYAMA, YUZO KODA and
TAKAHIRO YAJIMAcitizens of Japan
residing respectively at14-13, Kabutodai 7-chome, Kizu-cho, Soraku-gun, Kyoto, Japan;
6-19-307, Omiya-cho 1-chome, Nara-shi, Nara-ken, Japan;
24-1-202, Saganakadai 5-chome, Kizu-cho, Soraku-gun, Kyoto, Japan;
2-1-1-309, Sakuragaoka 3-chome, Seika-cho, Soraku-gun, Kyoto, Japan;
10-4, Kabutodai 7-chome, Kizu-cho, Soraku-gun, Kyoto, Japan;
23-2-2-303, Kawarauketa, Kyotanabe-shi, Kyoto, Japan; and
29-3-B-201, Sakuragaoka 1-chome, Seika-cho, Soraku-gun, Kyoto, Japanhereby 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**PRODUCTION PROCESS OF SEMICONDUCTOR LAYER, FABRICATION PROCESS
OF PHOTOVOLTAIC CELL AND PRODUCTION APPARATUS OF SEMICONDUCTOR
LAYER**

and described in an application for Letters Patent of the United States filed by us on July 30, 1999

and which has been accorded Application No. 09/363,825

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 Assignee 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.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: Yasushi Fujioka
YASUSHI FUJIOKA

Date: Sept 11 1999

By: Shotaro Okabe
SHOTARO OKABE

Date: Sept 9 1999

By: Masahiro Kanai
MASAHIRO KANAI

Date: Sep 6 1999

By: Akira Sakai
AKIRA SAKAI

Date: Sep 9 1999

By: Tadashi Sawayama
TADASHI SAWAYAMA

Date: sep. 9. 1999

By: Yuzo Koda
YUZO KODA

Date: sep. 9, 1999

By: Takahiro Yajima
TAKAHIRO YAJIMA

Date: Sep. 9, 1999

By: _____

Date: _____

By: _____

Date: _____

By: _____

Date: _____

By: _____

Date: _____

By: _____

Date: _____