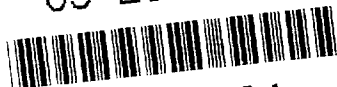


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PATENT TRADEMARK OFFICE

Atty. Docket No. 1232-4830

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3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Other Execution Date(s): April 23, 2002	4. Patent Application number(s) 10/086,074 Filing Date: February 26, 2002
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Morgan & Finnegan, LLP Address: 345 Park Avenue New York, NY 10154-0053 Tel: 212-758-4800 Fax: 212-751-6849	6. Total number of applications involved: 1 7. Total fee (37 CFR 3.41): \$40.00 <input type="checkbox"/> Charge to Deposit Account No.: <u>13-4500</u> , Order No. _____. <input checked="" type="checkbox"/> Charge any deficiencies to Deposit Account <u>13-4500</u> , Order No. <u>1232-4830</u> . (A duplicate copy of this sheet is enclosed)

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Joseph A. Calvaruso	<i>Joseph A. Calvaruso</i>	May 9, 2002
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Assignment

FOR VALUE RECEIVED

Tetsuo KUWABARA

citizen(s) of Japan

residing at (respectively)

7-7-14 Matsugaoka, Moriyamachi, Kitasohma-gun, Ibaraki-ken, Japan

hereby sell, assign, transfer and convey unto

CANON KABUSHIKI KAISHA, a corporation of Japan having a place of business at
3-30-2 Shimomaruko, 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

CALCIUM FLUORIDE CRYSTAL AND METHOD AND APPARATUS FOR PRODUCING THE SAME

and described in an application for Letters Patent of the United States filed on 26/FEB/2002 as Application No. 10/086,074 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 I 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 I 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 me.

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

AND I hereby covenant and agree that I will communicate to said Assignee or nominees all facts known to me 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: Tetsuo Kuwabara
Tetsuo KUWABARA

Date: April 23, 2002

By: _____

Date: _____

By: _____

Date: _____