

05-13-2002



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T U.S. Department of Commerce Patent and Trademark Office PATENT

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Conveyance Type

- Conveyance Type options: Assignment, License, Merger, Security Agreement, Change of Name, Other with checkboxes.

Conveying Party(ies)

- Conveying Parties: Kenji ITOGA, Toyoki KITAYAMA.

Execution Date(s)

- Execution Dates: April 9, 2002, April 9, 2002.

Mark if Additional Names of Conveying Parties Attached

Receiving Party

Name: Mitsubishi Denki Kabushiki Kaisha. Address: 2-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo, Japan. Zip Code: 100-8310.

Mark if Additional Names of Receiving Parties Attached

Correspondent Name and Address

Jeffrey A. Wyand, Leydig, Voit & Mayer, Ltd., 700 Thirteenth St., N.W. Suite 300, Washington, D.C. 20005-3960.

Telephone: (202) 737-6770, Facsimile: (202) 737-6776, Attorney Docket No. 401686/FUKAMI.

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Patent Application Numbers

Patent Numbers

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year April 9, 2002

Patent Cooperation Treaty (PCT)

Enter PCT application number only if a U.S. Application Number has not been assigned.

Table with 3 columns for PCT application numbers.

Number of Properties

Enter the total number of properties involved: 1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): 40.00

Method of Payment:

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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. Charges to deposit account are authorized, as indicated herein.

Jeffrey A. Wyand Name of Person Signing

Signature

Date May 8, 2002

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

- | | | |
|----------------------------|-----------|-----------|
| (1) <u>Kenji ITOGA</u> | (4) _____ | (7) _____ |
| (2) <u>Toyoki KITAYAMA</u> | (5) _____ | (8) _____ |
| (3) _____ | (6) _____ | (9) _____ |

who have made a certain new and useful invention, hereby sell, assign and transfer unto

Mitsubishi Denki Kabushiki Kaisha of
2-3, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8310 JAPAN

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

X-RAY EXPOSURE METHOD, X-RAY EXPOSURE APPARATUS, FINE STRUCTURE
AND SEMICONDUCTOR DEVICE

(a) for which an application for United States Letters Patent was filed on _____, and identified by United States Serial No. _____; or

(b) for which an application for United States Letters Patent was executed on April 9, 2002,

and the undersigned hereby authorize and request the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE:

AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the dates indicated aside our signatures:

INVENTORS	DATE SIGNED
1) <u>Kenji Itoaga</u> Name: <u>Kenji ITOGA</u>	<u>April 9, 2002</u>
2) <u>Toyoki Kitayama</u> Name: <u>Toyoki KITAYAMA</u>	<u>April 9, 2002</u>
3) _____ Name: _____	_____
4) _____ Name: _____	_____
5) _____ Name: _____	_____
6) _____ Name: _____	_____
7) _____ Name: _____	_____
8) _____ Name: _____	_____
9) _____ Name: _____	_____