

Atty Docket No.: 221311US2PCT/ew

FORM PTO-1595
1-31-92

10-10-2002



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Hisato ISHIMOTO and Yoshinori TAKAHASHI

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If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

10/110,203

B. Patent No.(s)

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Marvin J. Spivak

Name of Person Signing

Registration Number: 24,913

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Joseph A. Scafetta, Jr.
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PATENT
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07-22-2002



102462148

Atty Docket No.: 221311US2PCT

FORM PTO-1595
1-31-92U.S. DEPARTMENT OF COMMERCE
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To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Hisato ISHIMOTO

Yoshinori TAKAHASHI

04/17/02

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3. Nature of Conveyance:

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☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: February 25, 2002

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

Name: Mitsubishi Denki Kabushiki Kaisha

Address: 1-2, Marunouchi 2-chome, Chiyoda-ku, TOKYO
100-8310 JAPANAdditional name(s) and address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

10/110203

If this document is being filed together with a new application, the execution date of the application is: February 25, 2002

A. Patent Application No.(s)

B. Patent No.(s)

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Marvin J. Spivak

Name of Person Signing

Signature

April 17 2002

Date

Registration Number: 24,913

Surinder Sachar
Registration No. 34,423

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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>Hisato ISHIMOTO</u>	(4) _____	(7) _____
(2) <u>Yoshinori TAKAHASHI</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

$\pi/2$ PHASE SHIFTER

(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 February 25, 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>Hisato Ishimoto</u>	
Name: <u>Hisato ISHIMOTO</u>	
2) <u>Yoshinori Takahashi</u>	
Name: <u>Yoshinori TAKAHASHI</u>	
3) _____	
Name: _____	
4) _____	
Name: _____	
5) _____	
Name: _____	
6) _____	
Name: _____	
7) _____	
Name: _____	
8) _____	
Name: _____	
9) _____	
Name: _____	

<u>February 25, 2002</u>
<u>February 25, 2002</u>

