

Attorney Docket No. 030724

06-27-2003

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Conveyance type: XX Assignment Security Agreement
 License Change of name
 Merger Other

Conveying Party (ies): (Last, First, Middle Initial) Execution Date

First party	Name:	USAMI, Kunihiro	June 3, 2003
Second party	Name:	MORIUCHI, Toshiaki	June 3, 2003
Third party	Name:		

Additional name(s) of conveying party(ies) attached? Yes No XX 10463447

Receiving Party (ies):

First party	Name:	FUJITSU QUANTUM DEVICES LIMITED
	Address:	1000, Oaza Kamisukiawara, Showa-cho, Nakakoma-gun, Yamanashi 409-3883 Japan
Second party	Name:	
	Address:	

Additional name(s) & address(es) attached? Yes No XX

Domestic Representative Name and Address

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PATENT
REEL: 014204 FRAME: 0879

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Pages Enter the total number of pages of the attached conveyance document: 1
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Application Number(s) or Patent Number(s) Additional numbers attached? Yes ☐ No ☒ XX

A. Patent Application No.(s)

B. Patent No.(s)

If this document is being filed together with a new application, enter the date the application was signed by the first named executing inventor: June 3, 2003

(Do not recite both application and patent numbers.)

Patent Cooperation Treaty (PCT)

PCT _____

Enter PCT application number only if

PCT _____

a U.S. Application Number has not been assigned

PCT _____

Number of Properties Enter the total number of properties involved: 1

Fee Amount

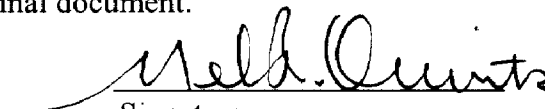
Fee Amount for Properties Listed (37 CFR 3.41). \$40.00

XX Enclosed Authorized to be charged to Deposit Account No.: 01-2340**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.

Mel R. Quintos

Name of Person Signing


SignatureJune 18, 2003

Date

31,898

Registration No.

Rev. 11/00

MRQ:jaz

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

(Insert ASSIGNEE's
Name(s) Address(es))

FUJITSU QUANTUM DEVICES LIMITED

1000, Oaza Kamisukiawara, Showa-cho, Nakakoma-gun, Yamanashi 409-3883 Japan

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

(Title of Invention)

DIRECTIONAL COUPLER AND ELECTRONIC DEVICE USING THE SAME

(*If the assignment is
being filed after the
filing of the
application, this
section must be
completed)

for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:

filed on _____, Serial No. _____.

(Armstrong, Westerman & Hattori, LLP is hereby authorized to insert the series code, serial number and/or filing date hereon, when known)

and all Letters Patent of the United States to be obtained therefore on said application or any continuation, divisional, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with the application and any continuation, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, divisional, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Signatures)

Kunihiro Usami

(Signature)

Kunihiro Usami

(Type Name)

3/6/2003

(Date)

Toshiaki Moriuchi

(Signature)

Toshiaki Moriuchi

(Type Name)

June 3 2003

(Date)

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(Date)

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(Type Name)

(Date)

(Signature)

(Type Name)

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NO LEGALIZATION REQUIRED

PATENT

RECORDED: 06/18/2003

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