

Attorney Docket No.: 0525^{PA}

U.S. DEPARTMENT OF COMMERCE

05/12/05

05-18-2005

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Commissioner for Patents: Please record the attached original documents or copy thereof.

Submission type: XX New

Conveyance type: XX Assignment

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

First party Name: **MOURI, Yoshitaka** May 9, 2005

Second party Name:

Third party Name:

Fourth party Name:

Fifth party Name:

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

Receiving Party (ies):

First party Name: **ORION ELECTRIC CO., LTD.**

Address: 41-1 Iehisa-cho, Takefu-city, Fukui 915-8555 Japan

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

Domestic Representative Name and Address (Enter for the first Receiving Party only)

WESTERMAN, HATTORI, DANIELS & ADRIAN, LLP

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Washington, D.C. 20036

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Pages Enter the total number of pages of the attached conveyance document: 1

(including any attachments, but not counting cover sheets)

Application Number(s) or Patent Number(s) Additional numbers attached? Yes ____ No ____

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: May 9, 2005

(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.: 50-2866

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.

Nicolas E. Seckel

Name of Person Signing

Nicolas Seckel

Signature

May 12, 2005

Date

44,373

Registration No.

Rev. 11/00

NES/yap

Docket No. _____

Westerman, Hattori, Daniels & Adrian, LLP

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
ORION ELECTRIC CO., LTD.

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

41-1 Iehisa-cho, Takefu-city, Fukui 915-8555 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)

PRINTED CIRCUIT BOARD WITH IMPROVED HEAT DISSIPATION EFFICIENCY, ELECTRONIC APPARATUS HAVING PRINTED CIRCUIT
 BOARD WITH IMPROVED HEAT DISSIPATION EFFICIENCY, CRT DISPLAY DEVICE HAVING PRINTED CIRCUIT BOARD WITH IMPROVED
 HEAT DISSIPATION EFFICIENCY, AND RECORDING/REPRODUCING DEVICE OR VIDEO DISPLAY DEVICE INCORPORATING
 RECORDING/REPRODUCING DEVICE HAVING PRINTED CIRCUIT BOARD WITH IMPROVED HEAT DISSIPATION EFFICIENCY

(*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. _____

(Westerman, Hattori, Daniels & Adrian, 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)

<u>YOSHITAKA MOURI</u>	<u>Yoshitaka MOURI</u>	<u>MAY. 9. 2005</u>
(Signature)	(Type Name)	(Date)
_____	_____	_____
(Signature)	(Type Name)	(Date)
_____	_____	_____
(Signature)	(Type Name)	(Date)
_____	_____	_____
(Signature)	(Type Name)	(Date)
_____	_____	_____
(Signature)	(Type Name)	(Date)

NO LEGALIZATION REQUIRED