

**PATENT ASSIGNMENT**

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
Toshimi FUKUOKA	04/12/2010
Wu WENG	04/12/2010
Tetsuya HIGUCHI	04/12/2010
Masao SUZUKI	04/12/2010
Rikuo TAKANO	04/12/2010
Makoto OMODANI	04/12/2010

**RECEIVING PARTY DATA**

<b>Name:</b>	Funai Electric Advanced Applied Technology Research Institute Inc.
<b>Street Address:</b>	7-1, 7-chome, Nakagaito
<b>City:</b>	Daito-shi, Osaka
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	574-0013

<b>Name:</b>	Tokai University Educational System
<b>Street Address:</b>	28-4, Tomigaya 2-chome
<b>City:</b>	Shibuya-ku, Tokyo
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	151-0063

<b>Name:</b>	Funai Electric Co., Ltd.
<b>Street Address:</b>	7-1, 7-chome, Nakagaito
<b>City:</b>	Daito-shi, Osaka
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	574-0013

**PROPERTY NUMBERS Total: 1**

Property Type	Number

**501203267**

**PATENT  
 REEL: 024528 FRAME: 0426**

**OP \$40.00 12770022**

Application Number:

12770022

**CORRESPONDENCE DATA**

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102281.62359US

NAME OF SUBMITTER:

Jeffrey D. Sanok

**Total Attachments: 4**

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### ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto:

- (1) Funai Electric Advanced Applied Technology Research Institute Inc.  
7-1, 7-chome, Nakagaito, Daito-shi, Osaka, 574-0013, Japan
- (2) Tokai University Educational System  
28-4, Tomigaya 2-chome, Shibuya-ku, Tokyo, 151-0063, Japan
- (3) Funai Electric Co., Ltd.  
7-1, 7-chome, Nakagaito, Daito-shi, Osaka, 574-0013, Japan

(hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to his invention relating to:

ELECTROCHROMIC DISPLAY DEVICE

as set forth in his United States Patent Application (check one):

- executed concurrently herewith,
- executed on \_\_\_\_,
- Serial No. \_\_\_\_\_, filed \_\_\_\_\_,
- PCT International Application, No.: \_\_\_\_, filed \_\_\_\_,

in and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters patent to said ASSIGNEE, its successors or assigns in accordance herewith;

Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention;

Each of the undersigned hereby grants the firm of **CROWELL & MORING, L.L.P.**, or any partner thereof, the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

Signature: Toshimi Fukuoka April 12, 2010  
**Inventor one:** Toshimi FUKUOKA DATE

Signature: Wu. Weng April 12, 2010  
**Inventor two:** Wu WENG DATE

Signature: Tetsuya Higuchi April 12, 2010  
**Inventor three:** Tetsuya HIGUCHI DATE

Signature: Masao Suzuki Apr. 12, 2010  
**Inventor four:** Masao SUZUKI DATE

Signature: Rikuo Takano April 12, 2010  
**Inventor five:** Rikuo TAKANO DATE

Signature: \_\_\_\_\_  
**Inventor six:** Makoto OMODANI DATE

Signature: \_\_\_\_\_  
**Inventor seven:** \_\_\_\_\_ DATE

Signature: \_\_\_\_\_  
**Inventor eight:** \_\_\_\_\_ DATE

Signature: \_\_\_\_\_  
**Inventor nine:** \_\_\_\_\_ DATE

Signature: \_\_\_\_\_  
**Inventor ten:** \_\_\_\_\_ DATE  
 Citizen of \_\_\_\_\_

Note: Prima facie evidence of execution may optionally be obtained by execution of this document before a U.S. Consul or before a local officer authorized to administer oaths whose authority is proved by a certificate from a U.S. Consul.

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#### ELECTROCHROMIC DISPLAY DEVICE

as set forth in his United States Patent Application (check one):

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Each of the undersigned further covenants and agrees he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention;

Each of the undersigned hereby grants the firm of **CROWELL & MORING, L.L.P.**, or any partner thereof, the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

Signature: \_\_\_\_\_  
**Inventor one:** Toshimi FUKUOKA \_\_\_\_\_ DATE

Signature: \_\_\_\_\_  
**Inventor two:** Wu WENG \_\_\_\_\_ DATE

Signature: \_\_\_\_\_  
**Inventor three:** Tetsuya HIGUCHI \_\_\_\_\_ DATE

Signature: \_\_\_\_\_  
**Inventor four:** Masao SUZUKI \_\_\_\_\_ DATE

Signature: \_\_\_\_\_  
**Inventor five:** Rikuo TAKANO \_\_\_\_\_ DATE

Signature: *Makoto Omodani* \_\_\_\_\_ *April 12, 2010*  
**Inventor six:** Makoto OMODANI \_\_\_\_\_ DATE

Signature: \_\_\_\_\_  
**Inventor seven:** \_\_\_\_\_ DATE

Signature: \_\_\_\_\_  
**Inventor eight:** \_\_\_\_\_ DATE

Signature: \_\_\_\_\_  
**Inventor nine:** \_\_\_\_\_ DATE

Signature: \_\_\_\_\_  
**Inventor ten:** \_\_\_\_\_ DATE  
 Citizen of \_\_\_\_\_

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