501996811 07/20/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Hitachi ULSI Systems Co., Ltd.	03/28/2012

RECEIVING PARTY DATA

Name:	Hitachi Displays, Ltd.
Street Address:	3300 Hayano
City:	Mobara-shi, Chiba
State/Country:	JAPAN
Postal Code:	297-8622

PROPERTY NUMBERS Total: 5

Property Type	Number
Patent Number:	6388653
Patent Number:	6731263
Patent Number:	7417614
Patent Number:	7830347
Patent Number:	7990355

CORRESPONDENCE DATA

Fax Number: (703)312-6666 Phone: 7033126600

Email: aschiavelli@antonelli.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

Correspondent Name: Antonelli, Terry, Stout & Kraus, LLP

Address Line 1: 1300 N. 17th Street

Address Line 2: **Suite 1800**

501996811

Arlington, VIRGINIA 22209 Address Line 4:

ATTORNEY DOCKET NUMBER: 520.10439G00

PATENT

REEL: 028600 FRAME: 0379

NAME OF SUBMITTER:	Alan E. Schiavelli
Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif	

PATENT REEL: 028600 FRAME: 0380

<u>ASSIGNMENT</u>

WHEREAS, Hitachi ULSI Systems Co., Ltd. is an owner, by assignment previously recorded, of the following Letters Patents of the United States of America:

Letters Patents:

6,388,653

6,535,189

6,556,182

6,731,263

7,417,614

7,830,347

7,990,355

WHEREAS, Hitachi Displays, Ltd., a Japanese Corporation, having a place of business at 3300 Hayano, Mobara-Shi, Chiba 297-8622, Japan, is desirous of acquiring the sole and exclusive right, title and interest in, to and under the said Letters Patents, and the inventions covered thereby;

NOW, THEREFORE, for good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, the said Hitachi ULSI Systems Co., Ltd. has sold, assigned, transferred and set over and does hereby sell, assign, transfer and set over to the said Hitachi Displays, Ltd., its entire right, title and interest in the said inventions, said Letters Patents aforesaid, and any reissue or reissues of said Letters Patents already granted or which may be granted, the same to be held and enjoyed by said Hitachi Displays, Ltd. for its own use and enjoyment, and for the use and enjoyment of its successors, assigns, or other legal representatives, to the end of the term for which

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PATENT REEL: 028600 FRAME: 0381 said Letters Patents of the United States are granted or reissued as fully and entirely as the same would have been held and enjoyed by the said Hitachi ULSI Systems Co., Ltd. if this assignment and sale had not been made.

Hitachi ULSI Systems Co., Ltd. authorizes the law firm of Antonelli, Terry, Stout & Kraus, LLP to make any corrections or revisions to this Assignment as may be necessary to correct any errors or omissions in this Assignment or to record this Assignment.

IN TESTIMONY WHEREOF, Hitachi ULSI Systems Co., Ltd. has caused these presence to be signed by its officer thereunto duly authorized this <u>28</u> day of <u>March</u>, 2012.

Hitachi ULSI Systems Co., Ltd.

By: Shiro Baba

President & CEO

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PATENT REEL: 028600 FRAME: 0382