503046194 11/04/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT3092793

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------|----------------|
| SHINICHI NISHIDA | 06/14/2013 |
| NAOYUKI TAGUCHI | 06/14/2013 |
| TAKAHIKO WATANABE | 06/14/2013 |

RECEIVING PARTY DATA

| Name: | NLT TECHNOLOGIES, LTD. | | |
|-----------------|------------------------------------------|--|--|
| Street Address: | 1753, SHIMONUMABE, NAKAHARA-KU, KAWASAKI | | |
| City: | KANAGAWA | | |
| State/Country: | JAPAN | | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 13826388 |

CORRESPONDENCE DATA

Fax Number: (703)685-0573

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

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 7035212297

Email: lconley@young-thompson.com

Correspondent Name: YOUNG & THOMPSON Address Line 1: 209 MADISON STREET

Address Line 2: SUITE 500

Address Line 4: ALEXANDRIA, VIRGINIA 22314

| ATTORNEY DOCKET NUMBER: | 8013-1307 |
|-------------------------|------------------------------------------------------------|
| NAME OF SUBMITTER: | ERIC JENSEN |
| SIGNATURE: | /Eric Jensen/ |
| DATE SIGNED: | 11/04/2014 |
| | This document serves as an Oath/Declaration (37 CFR 1.63). |

Total Attachments: 3 source=ASSMT#page1.tif

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> **PATENT** 503046194

REEL: 034095 FRAME: 0041

Y&T Form B (includes equivalent to form PTO/AIA/01)
Attorney Docket No.

ASSIGNMENT AND INVENTOR'S DECLARATION

WHEREAS I/we, the undersigned inventor(s), hereafter also referred to as "assignor(s)", have invented certain new and useful improvements described in the application identified below; and

WHEREAS, <u>NLT Technologies</u>, <u>Ltd.</u>, hereinafter referred to as "assignee(s)", whose address is <u>1753</u>, <u>Shimonumabe</u>, <u>Nakahara-ku</u>, <u>Kawasaki</u>, <u>Kanagawa</u>, <u>JAPAN</u>, is desirous of acquiring the entire right, title and interest in and to the application and invention, and to any United States patents to be obtained therefor;

NOW, THEREFORE, for valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we, the above-named assignor(s), hereby sell, assign and transfer to the above named assignee(s), its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including any right to bring or maintain an action for infringement under the provisional rights granted pursuant to Title 35, Section 154 of the United States Code or any other cause of action for acts which would constitute infringement occurring prior to this assignment, and including the right to claim priority under the International Convention of Paris (1883), as amended, of or in any corresponding foreign patent application, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee(s), its successors and assigns.

| • | • | | |
|-------------------------------------------------|-------------|------------------------------------------------------------------------------------------------------------------------|--|
| This assignment and declaration is directed to: | \boxtimes | The attached application, or | |
| | | United States Application or PCT International Application Number | |
| The application is entitled: LIQUID | CR' | YSTAL DISPLAY DEVICE OF LATERAL ELECTRIC FIELD TYPE | |
| The above-identified application w | /as m | nade or was authorized to be made by me. | |
| I believe that I am the original inve | entor | or an original joint inventor of a claimed invention in the application. | |
| | | false statement made in this assignment with declaration is punishable iment of not more than five (5) years, or both. | |

As a below named inventor, I hereby declare that:

| Given Name(s) | Shinichi | | Family Name/Surname(s) Nishida |
|--------------------------|----------|--------|---------------------------------|
| Inventor's Signature: | Shinish | Nishin | Date June 14, 2013 |
| Given Name(s) | Naoyuki | | Family Name/Surname(s) Taguchi |
| Inventor's Signature: | | | Date |
| Given Name(s) | Takahiko | | Family Name/Surname(s) Watanabe |
| Inventor's Signature: | | | Date |
| Given Name(s) | | | Family Name/Surname(s) |
| Inventor's Signature: | | | Date |

PATENT REEL: 034095 FRAME: 0042 Y&T Form B (includes equivalent to form PTO/AIA/01)
Attorney Docket No.

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WHEREAS, <u>NLT Technologies</u>, <u>Ltd.</u>, hereinafter referred to as "assignee(s)", whose address is <u>1753</u>, <u>Shimonumabe</u>. <u>Nakahara-ku</u>, <u>Kawasaki</u>, <u>Kanagawa</u>, <u>JAPAN</u>, is desirous of acquiring the entire right, title and interest in and to the application and invention, and to any United States patents to be obtained therefor;

NOW, THEREFORE, for valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we, the above-named assignor(s), hereby sell, assign and transfer to the above named assignee(s), its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including any right to bring or maintain an action for infringement under the provisional rights granted pursuant to Title 35, Section 154 of the United States Code or any other cause of action for acts which would constitute infringement occurring prior to this assignment, and including the right to claim priority under the International Convention of Paris (1883), as amended, of or in any corresponding foreign patent application, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee(s), its successors and assigns.

| As a below named inventor, I here | eby d | eclare that: |
|-------------------------------------------------|-------|----------------------------------------------------------------------------------------------------------------------|
| This assignment and declaration is directed to: | • | The attached application, or |
| | | United States Application or PCT International Application Numberfiled on (Confirmation No). |
| The application is entitled: LIQUID | CR | YSTAL DISPLAY DEVICE |
| The above-identified application w | as m | ade or was authorized to be made by me. |
| I believe that I am the original inve | entor | or an original joint inventor of a claimed invention in the application. |
| • | | alse statement made in this assignment with declaration is punishable ment of not more than five (5) years, or both. |

| Given Name(s) | Shinichi | | Family Name/Surname(s) Nishida |
|--------------------------|----------|----|---------------------------------|
| Inventor's Signature: | | | Date |
| Given Name(s) | Naoyuki | • | Family Name/Surname(s) Taguchi |
| Inventor's Signature: | 田口 | 尚之 | Date June 14, 2013 |
| Given Name(s) | Takahiko | | Family Name/Surname(s) Watanabe |
| Inventor's Signature: | | | Date |
| Given Name(s) | | | Family Name/Surname(s) |
| Inventor's Signature: | | | Date |

PATENT REEL: 034095 FRAME: 0043 Y&T Form B (includes equivalent to form PTO/AIA/01)
Attorney Docket No.

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NOW, THEREFORE, for valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we, the above-named assignor(s), hereby sell, assign and transfer to the above named assignee(s), its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including any right to bring or maintain an action for infringement under the provisional rights granted pursuant to Title 35, Section 154 of the United States Code or any other cause of action for acts which would constitute infringement occurring prior to this assignment, and including the right to claim priority under the International Convention of Paris (1883), as amended, of or in any corresponding foreign patent application, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee(s), its successors and assigns.

| Given Name(s) | Shìnichi | Family Name/Surname(s) Nishida |
|--------------------------|-------------------|---------------------------------|
| Inventor's Signature: | | Date |
| Given Name(s) | Naoyuki | Family Name/Surname(s) Taguchi |
| Inventor's Signature: | | Date |
| Given Name(s) | Takahiko | Family Name/Surname(s) Watanabe |
| Inventor's Signature: / | Takahiko Watanaba | Date June 14, 2013 |
| Given Name(s) | | Family Name/Surname(s) |
| Inventor's Signature: | | Date |

PATENT REEL: 034095 FRAME: 0044

RECORDED: 11/04/2014