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U S DEPARTMENT OF COMMERCE United States Patent and Trademark Office

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103613041 To the Director of the U attached documents or the new address(es) below 1. Name of conveying party(ies): 2. Name and address of receiving party(ies) Mitsuo Fukuda LIGHTNIX, INC Internal Address x No Additional name(s) of conveying party(ies) attached? Street Address 3. Nature of conveyance/Execution Date(s): 2-6, Kotoen 2-chome, Nishinomiya-shi Execution Date(s) November 19, 2010 Hyogo 6620812 JAPAN Merger Change of Name x Assignment Joint Research Agreement Security Agreement City Government Interest Assignment State Executive Order 9424, Confirmatory License Country Zıp Additional name(s) & address(es) Yes Nο Х attached? 4 Application or patent number(s). X This document is being filed together with a new application A Patent Application No (s) B Patent No (s) This application Additional numbers attached? Yes 5. Name and address to whom correspondence 6. Total number of applications and concerning document should be mailed: patents involved: Name James E Armstrong, IV **EDWARDS ANGELL PALMER & DODGE** LLP 40 00 7. Total fee (37 CFR 1 21(h) & 3 41) \$ Internal Address Atty Dkt 87650(302610) Street Address PO Box 55874 Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) City Boston 8. Payment Information Zıp 02205 State (202) 478-7375 Phone Number (866) 658-1050 Fax Number Deposit Account Number 04-1105 Authorized User Name James E Armstrong, IV jarmstrong@eapdlaw com Email Address 9 Signature December 3, 2010 12/07/2010 KNGUYEN1 00000000 041105 12787041 Of character of pages 490 pg inpacover James E Armstrong, IV - 42,266 3 sheet, attachments, and documents Name of Person Signing

> PATENT REEL: 025459 FRAME: 0212

ASSIGNMENT BY INVENTOR

THIS ASSIGNMENT, made this 19 day of 11, 2010, by Mitsuo FUKUDA (hereinafter referred to as Assignor), residing at 2-6, Kotoen 2-chome, Nishinomiya-shi, Hyogo 6620812, Japan;

WHEREAS, Assignor has invented certain new and useful improvements in PUNCTURE NEEDLE CARTRIDGE AND PUNCTURE DEVICE, set forth in a Patent application for Letters Patent of the United States, filed herewith or if not filed herewith, being earlier filed on and having Serial No.; and

WHEREAS, LIGHTNIX, INC., a corporation organized under and pursuant to the laws of Japan having its principal place of business at 2-6, Kotoen 2-chome, Nishinomiya-shi, Hyogo 6620812, Japan (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignor has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.

AND for the same consideration, Assignor hereby represents and warrants to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignor is the sole and lawful owner of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignor hereby covenants and agrees to and with Assignee, its successors, legal representatives and assigns, that Assignor will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent

PATENT REEL: 025459 FRAME: 0213 and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignor hereby requests the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignor hereby grants the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

EDWARDS ANGELL PALMER & DODGE LLP

All practitioners at Customer Number 21874

AND Assignor acknowledges an obligation of assignment of this invention to Assignee at the time the invention was made.

19/11/2010 Date	Name: Mitsyo FUKUDA
Date	Name:

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