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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
OCLARO JAPAN, INC.	10/27/2014

RECEIVING PARTY DATA

Name:	USHIO OPTO SEMICONDUCTORS, INC.	
Street Address:	2-6-1 OTEMACHI, CHIYODA-KU,	
City:	TOKYO	
State/Country:	JAPAN	
Postal Code:	100-8150	

PROPERTY NUMBERS Total: 24

Property Type	Number	
Application Number:	09043384	
Application Number:	09895079	
Application Number:	09297147	
Application Number:	09964519	
Application Number:	09902778	
Application Number:	11349172	
Application Number:	11387986	
Application Number:	12232652	
Application Number:	11606186	
Application Number:	11492924	
Application Number:	11700215	
Application Number:	12023168	
Application Number:	11841010	
Application Number:	12153681	
Application Number:	12216817	
Application Number:	12328186	
Application Number:	12194149	
Application Number:	13478024	
Application Number:	12630008	
Application Number:	12750838	
Application Number:	12948794	
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REEL: 034225 FRAME: 0494

Property Type	Number
Application Number:	13714508
Application Number:	14489899
Application Number:	14466039

CORRESPONDENCE DATA

Fax Number:

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NAME OF SUBMITTER:	DENNIS M HUBBS
SIGNATURE:	/Dennis M. Hubbs/
DATE SIGNED:	11/21/2014

Total Attachments: 2

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> PATENT REEL: 034225 FRAME: 0495

Assignment

Whereas, Oclaro Japan, Inc., having a place of business at 4-1-55 Oyama, Chuo-ku, Sagamihara, Kanagawa, 252-5250 Japan, (hereinafter called "Assignor"), is the owner and assignee of record of a 100% right, title and interest in the U.S. Patent Applications listed in the attached **Appendix** (hereinafter the "Patent Applications") by one or more of (1) an assignment executed by the inventor(s) and recorded with the USPTO, (2) by assignment of another company and recorded with the USPTO, (3) by name change recorded with the USPTO and (4) by merger recorded with the USPTO; and

Whereas, USHIO OPTO SEMICONDUCTORS, INC. of 2-6-1 Otemachi, Chiyoda-ku, Tokyo, 100-8150, Japan (hereinafter called "Assignee"), desires to acquire the entire right, title, and interest in the Patent Applications and the inventions disclosed therein, and each and every Patent resulting therefrom.

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged, by said Assignor to have been received in full from the Assignee:

- 1. Assignor hereby sells, assigns, transfers and conveys to Assignee its entire right, title and interest in and to the Patent Applications and the inventions disclosed therein, and each and every division and continuation, reissue or extension of any of said Patent Applications, Patents issued therefrom and inventions described therein.
- 2. Assignor hereby covenants and agrees to cooperate with Assignee to enable the Assignee to enjoy to the fullest extent the right, title and interest to the Patent. Such cooperation by the Assignor shall include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by the Assignee for perfecting in the Assignee the right, title and interest herein conveyed, provided, however, that the expense incurred by said Assignor in providing such cooperation shall be paid for by said Assignee, as mutually agreed upon by the Assignor and Assignee.
- 3. Assignor hereby warrants and represents that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, Oclaro Japan, Inc. has executed this Assignment by proper persons duly authorized.

Date:	10/27/20/4
Signature:	
Printed Name:	Jadayuki Kanno
Title:	Representative Dépetur

By and on behalf of: Oclaro Japan, Inc.

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

PATENT REEL: 034225 FRAME: 0496

Appendix

- 1. U.S. Application No. 09/043,384
- 2. U.S. Application No. 09/895,079
- 3. U.S. Application No. 09/297,147
- 4. U.S. Application No. 09/964,519
- 5. U.S. Application No. 09/902,778
- U.S. Application No. 11/349,172
- 7. U.S. Application No. 11/387,986
- 8. U.S. Application No. 12/232,652
- 9. U.S. Application No. 11/606,186
- 10. U.S. Application No. 11/492,924
- 11. U.S. Application No. 11/700,215
- 12. U.S. Application No. 12/023,168
- 13. U.S. Application No. 11/841,010
- 14. U.S. Application No. 12/153,681
- 15. U.S. Application No. 12/216,817
- 16. U.S. Application No. 12/328,186
- 17. U.S. Application No. 12/194,149
- 18. U.S. Application No. 13/478,024
- 19. U.S. Application No. 12/630,008
- 20. U.S. Application No. 12/750,838
- 21. U.S. Application No. 12/948,794
- 22. U.S. Application No. 13/714,508
- 23. U.S. Application No. 14/489,899
- 24. U.S. Application No. 14/466,039

PATENT REEL: 034225 FRAME: 0497

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