

PATENT ASSIGNMENT

Electronic Version v1.1  
Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	Notice of Grant of Security Interest in Patents
CONVEYING PARTY DATA	
Name	Execution Date
OSI Optoelectronics, Inc.	07/27/2007
RECEIVING PARTY DATA	
Name:	Wells Fargo Bank, National Association, as Administrative Agent
Street Address:	1525 W.T. Harris Blvd.
Internal Address:	Mail Code NC 0680
City:	Charlotte
State/Country:	NORTH CAROLINA
Postal Code:	28262
PROPERTY NUMBERS Total: 33	
Property Type	Number
Patent Number:	6095986
Patent Number:	6385821
Patent Number:	6593636
Patent Number:	6625553
Patent Number:	6629050
Patent Number:	6681454
Patent Number:	6815790
Patent Number:	7057254
Patent Number:	7242069
Patent Number:	7256470
Patent Number:	7279731
Patent Number:	7470966
Patent Number:	7576369
Patent Number:	7579666

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PATENT  
REEL: 025150 FRAME: 0964

OP \$1320.00 6095986

Patent Number:	7655999
Patent Number:	7656001
Patent Number:	7709921
Patent Number:	7728367
Application Number:	11081366
Application Number:	11422246
Application Number:	11744908
Application Number:	12325304
Application Number:	12499203
Application Number:	12505610
Application Number:	12559498
Application Number:	12637529
Application Number:	12637557
Application Number:	12689349
Application Number:	12709621
Application Number:	12722685
Application Number:	12723672
Application Number:	12760342
Application Number:	12774958

#### CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	512485-1619 EAR
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NAME OF SUBMITTER:	Ellen A. Rubel
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Total Attachments: 5

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NOTICE  
OF  
GRANT OF SECURITY INTEREST  
IN  
PATENTS

United States Patent and Trademark Office

Ladies and Gentlemen:

Please be advised that pursuant to the Security Agreement dated as of July 27, 2007 (as amended, modified, extended, restated, replaced, or supplemented from time to time, the "Security Agreement") by and among the Obligors party thereto (each an "Obligor" and collectively, the "Obligors") and Wells Fargo Bank, National Association, as Administrative Agent (the "Administrative Agent") for the lenders referenced therein (the "Lenders"), the undersigned Obligor has granted a continuing security interest in and continuing lien upon the patents and patent applications shown on Schedule 1 attached hereto (the "Patents") to the Administrative Agent for the ratable benefit of the Lenders.

The Obligors and the Administrative Agent, on behalf of the Lenders, hereby acknowledge and agree that the security interest in the Patents (i) may only be terminated in accordance with the terms of the Security Agreement and (ii) is not to be construed as an assignment of any Patent.

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OSI SYSTEMS, INC.  
NOTICE OF GRANT OF SECURITY INTEREST IN PATENTS

Very truly yours,

OSI OPTOELECTRONICS, INC.

By: MS

Name: Alan Edrick

Title: Chief Financial Officer

Acknowledged and Accepted:

WELLS FARGO BANK, NATIONAL ASSOCIATION,  
as Administrative Agent

By: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

OSI SYSTEMS, INC.  
NOTICE OF GRANT OF SECURITY INTEREST IN PATENTS

Very truly yours,

OSI OPTOELECTRONICS, INC.

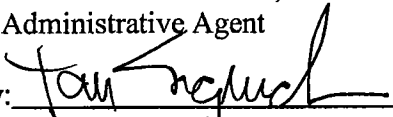
By: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Acknowledged and Accepted:

WELLS FARGO BANK, NATIONAL ASSOCIATION,  
as Administrative Agent

By:  \_\_\_\_\_

Name: Tom Sigurdson

Title: Vice President

## Schedule 1

### OSI Optoelectronics, Inc.

#### U.S. Patents

##### Issued Patents

Description	Patent No.	Issue Date
DISPOSABLE ANTI-FOG AIRWAY ADAPTER	6095986	8/1/00
APPARATUS FOR SECURING AN OXIMETER PROBE TO A PATIENT	6385821	5/14/02
HIGH SPEED SILICON PHOTODIODES AND METHOD OF MANUFACTURE	6593636	7/15/03
VEHICLE SAFETY AND SECURITY SYSTEM	6625553	9/23/03
VEHICLE SAFETY AND SECURITY SYSTEM	6629050	9/30/03
APPARATUS AND METHOD FOR SECURING AN OXIMETER PROBE TO A PATIENT	6681454	1/27/04
POSITION SENSING DETECTOR FOR THE DETECTION OF LIGHT WITHIN TWO DIMENSIONS	6815790	11/9/04
FRONT ILLUMINATED BACK SIDE CONTACT THIN WAFER DETECTORS	7057254	6/6/06
THIN WAFER DETECTORS WITH IMPROVED RADIATION AND CROSSTALK CHARACTERISTICS	7242069	7/10/07
PHOTODIODE WITH CONTROLLED CURRENT LEAKAGE	7256470	8/14/07
EDGE ILLUMINATED PHOTODIODES	7279731	10/9/07
PHOTODIODE WITH CONTROLLED CURRENT LEAKAGE	7470966	12/30/08
DEEP DIFFUSED THIN PHOTODIODES	7576369	8/18/09
FRONTSIDE ILLUMINATED BACK SIDE CONTACT THIN WAFER DETECTORS	7579666	8/25/09
HIGH DENSITY PHOTODIODES	7655999	2/2/10
FRONT-SIDE ILLUMINATED, BACK-SIDE CONTACT, DOUBLE-SIDED PN-JUNCTION ARRAY	7656001	2/2/10
PHOTODIODE & PHOTODIODE ARRAY WITH IMPROVED PERFORMANCE CHARACTERISTICS	7709921	5/4/10
EDGE ILLUMINATED PHOTODIODES	7728367	6/1/10

##### Pending Applications

Description	Application No.	Filing Date
THIN WAFER DETECTORS WITH IMPROVED RADIATION AND CROSSTALK CHARACTERISTICS (FISHBONE STRUCTURE)	11081366	3/16/05
LOW CROSSTALK, FRONTSIDE ILLUMINATED, BACKSIDE CONTACT PHOTODIODE ARRAY	11422246	6/5/06
THIN ACTIVE LAYER FISHBONE PHOTODIODE AND METHOD OF MANUFACTURING THE SAME	11744908	5/4/07
PHOTODIODE WITH CONTROLLED CURRENT LEAKAGE	12325304	12/1/08
DEEP DIFFUSED THIN PHOTODIODES	12499203	7/8/09

Description	Application No.	Filing Date
FRONTSIDE ILLUMINATED BACK SIDE CONTACT THIN WAFER DETECTORS	12505610	7/20/09
THIN ACTIVE LAYER FISHBONE PHOTODIODE AND METHOD OF MANUFACTURING THE SAME	12559498	9/15/09
FRONTSIDE ILLUMINATED BACK SIDE CONTACT THIN WAFER DETECTORS	12637529	12/14/09
HIGH DENSITY PHOTODIODES	12637557	12/14/09
WAVELENGTH SENSITIVE SENSOR PHOTODIODES	12689349	1/19/10
HIGH SPEED BACKSIDE ILLUMINATED, FRONT SIDE CONTACT PHOTODIODE ARRAY	12709621	2/22/10
PHOTODIODES WITH PN JUNCTION ON BOTH FRONT AND BACK SIDES	12722685	3/12/10
PHOTODIODE AND PHOTODIODE ARRAY WITH IMPROVED PERFORMANCE CHARACTERISTICS	12723672	3/4/10
EDGE ILLUMINATED PHOTODIODES	12760342	4/14/10
TETRA-LATERAL POSITION SENSING DETECTOR	12774958	5/6/10