

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3518061

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TOSHIBA TECHNO CENTER INC.	08/29/2014
RECEIVING PARTY DATA	
Name:	MANUTIUS IP, INC.
Street Address:	101 FIRST STREET
Internal Address:	SUITE 549
City:	LOS ALTOS
State/Country:	CALIFORNIA
Postal Code:	94022
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14814213
CORRESPONDENCE DATA	
Fax Number:	(214)855-8200
<i>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.</i>	
Phone:	214-855-8000
Email:	lisa.decordova@nortonrosefulbright.com
Correspondent Name:	NORTON ROSE FULBRIGHT US LLP
Address Line 1:	2200 ROSS AVENUE
Address Line 2:	SUITE 3600
Address Line 4:	DALLAS, TEXAS 75201-7932
ATTORNEY DOCKET NUMBER:	MANP.P0007US.C1D1
NAME OF SUBMITTER:	LISA J. COLLINS
SIGNATURE:	/Lisa J. Collins/
DATE SIGNED:	09/09/2015
Total Attachments: 4	
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PATENT ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, and subject to the reservations of certain non-exclusive rights and licenses stated in a separate written agreement between the parties dated 5 May 2014, Toshiba Techno Center Inc., a Corporation organized under the laws of Japan, having its principal place of business at 12-1 Ekimae-Honcho, Kawasaki-ku, Kawasaki-shi, Kanagawa 210-0007, JAPAN (hereinafter "ASSIGNOR"), hereby grants and assigns to Manutius IP, Inc., a Corporation organized under the laws of United States of America having its principal place of business at 101 First Street, Suite 549, Los Altos, CA 94022, United States of America, (hereinafter "ASSIGNEE"), all right, title and interest in and to the United States Letters Patent and applications for United States Letters Patent identified in Appendix A hereto, and all extensions, continuations, continuations in part, renewals, reissues, reexaminations and foreign counterparts thereto owned by ASSIGNOR (except to the extent otherwise agreed in writing by ASSIGNOR and ASSIGNEE) and the right to apply for any of the foregoing (hereinafter "ASSIGNED PATENTS"), to have and to hold the same, unto ASSIGNEE for its own use and enjoyment and for the use and enjoyment of its successors and assigns, for the full term or terms of all such rights, including but not limited to the right to sue for and recover damages for any past, present or future infringement of ASSIGNED PATENTS, subject to certain pre-existing non-exclusive rights, licenses and commitments that have been granted or made under or with respect to the ASSIGNED PATENTS before 5 May 2014 as set forth in the separate written agreement referenced above.

ASSIGNOR hereby authorizes that all ASSIGNED PATENTS to be issued on or resulting from any of the aforementioned applications for Letters Patent be issued to the ASSIGNEE.

ASSIGNOR hereby reserves and retains, for the benefit of itself and its subsidiary and affiliated companies and its and their successors or assigns, certain non-exclusive rights and licenses set forth in the separate written agreement referenced above.

IN WITNESS WHEREOF, ASSIGNOR has caused this Patent Assignment to be duly signed on its behalf.

SIGNATURE: Toshi Tsuda

NAME (Type or Print): Yoshiaki Tsuda

TITLE: President

DATE: Aug 29, 2014

Schedule 1 to Patent Assignment

No	Title	Application Number	Application Date	Patent Number	Issue Date
2	Light Emitting Diodes With Smooth Surface for Reflective Electrode	12/834,747	12-Jul-2010	8,163,578	Apr 24, 2012
3	Light Emitting Diodes With Smooth Surface for Reflective Electrode	13/033,533	23-Feb-2011	8,168,984	May 1, 2012
4	Light Emitting Diodes With Smooth Surface for Reflective Electrode	13/447,574	16-Apr-2012	8,691,606	Apr 8, 2014
5	Light Emitting Diodes With Smooth Surface for Reflective Electrode	14/085,581 (Con of 13/447,574)	20-Nov-2013	N/A	N/A

7	Non-Reactive Barrier Metal for Eutectic Bonding Process	13/196,870	2-Aug-2011	N/A	N/A
8	P-Type Doping Layers for Use with Light Emitting Devices	13/248,821	29-Sep-2011	8,698,163	Apr 15, 2014
9	P-Type Doping Layers for Use with Light Emitting Devices	14/158,471 (Con of 14/133,162 (Div of 13/248,821))	17-Jan-2014	N/A	N/A

13	Light Emitting Devices Having Light Coupling Layers with Recessed Electrodes	13/249,196	29-Sep-2011	8,664,679	March 4, 2014
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Assignment Toshiba to Manassis IP, Inc.

	Recessed Electrodes				
15	Series Connected Segmented LED	13/292,938	9-Nov-2011	8,581,267	November 12, 2013
16	Series Connected Segmented LED	13/959,313 (Con of 13/292,938)	5-Aug-2013	N/A	N/A
17	III-Nitride Based Semiconductor Device With Low-Resistance Ohmic Contacts	10/936,496	9-Sep-2004	7,943,949	May 17, 2011
18	GaN Based LED Having Reduced Thickness And Method For Making The Same	11/761,223	11-Jun-2007	7,791,090	Sep 7, 2010
19	GaN Based LED Having Reduced Thickness And Method For Making The Same	12/860,162	20-Aug-2010	8,384,099	Feb 26, 2013

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Assignment Toshiba to Menzies IP, Inc.