

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT5062137

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	ACCLARENT, INC.	02/02/2016
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	ADVANCED ENT SOLUTIONS, INC.	
<b>Street Address:</b>	4970 EL CAMINO REAL, SUITE 220	
<b>City:</b>	LOS ALTOS	
<b>State/Country:</b>	CALIFORNIA	
<b>Postal Code:</b>	94022	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	15959853
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(202)842-7899	
<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>		
<b>Phone:</b>	7034568000	
<b>Email:</b>	ZIPPATENTDOCKETINGMAILBOXUS@COOLEY.COM, CDOTY@COOLEY.COM	
<b>Correspondent Name:</b>	COOLEY LLP	
<b>Address Line 1:</b>	1299 PENNSYLVANIA AVENUE, NW, SUITE 700	
<b>Address Line 2:</b>	ATTN: IP PATENT DOCKETING DEPARTMENT	
<b>Address Line 4:</b>	WASHINGTON, D.C. 20004	
<b>ATTORNEY DOCKET NUMBER:</b>	AENT-004/05US 327382-2109	
<b>NAME OF SUBMITTER:</b>	KASSITY L. MAI	
<b>SIGNATURE:</b>	/Kassity L. Mai/	
<b>DATE SIGNED:</b>	07/23/2018	
<b>Total Attachments: 12</b>		
source=AENT-004-05US Assignment 2 - Acclarent to Advanced ENT#page1.tif		
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## ASSIGNMENT OF PATENT RIGHTS

This Assignment of Patent Rights is entered into as of February 2, 2016, between **Acclarent, Inc.**, a Delaware corporation, having its principal place of business at 33 Technology Drive, Irvine, California 92618 (“Assignor”) and **Advanced ENT Solutions, Inc.**, a Delaware corporation, having its principal place of business at 4970 El Camino Real, Suite 220, Los Altos, CA 94022 (“Assignee”).

WHEREAS, Assignee and Assignor are parties to that certain Asset Purchase Agreement dated as of February 2, 2016 (the “Purchase Agreement”), and Pursuant to the terms of the Purchase Agreement, Assignor has agreed to, among other things, sell, convey, transfer, assign and deliver to the Assignee all of Assignor’s right, title, and interest in, to and under all the applications for patent and issued patents (collectively, the “Patents”) identified on the attached Schedule A, and the inventions disclosed and/or claimed therein (the “Inventions”);

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignor hereby sells, assigns, transfers, and sets over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to:

(a) the Inventions;

(b) the Patents;

(c) the right to file applications for patent of the United States or other countries on the Inventions, including all rights under the Hague Convention, the Paris Convention for the Protection of Industrial Property, and under the Patent Cooperation Treaty, and all rights of claiming priority in any country of the world;

(d) any applications for patent of the United States or other countries claiming the Inventions;

(e) any applications for patent of the United States or other countries claiming priority to, and/or the benefit of, at least one of the Patents or any other applications for patent claiming the Inventions, including any substitute applications, divisions, continuations, and continuations-in-part;

(f) any patents of the United States or other countries that may be granted for or on any application for patent identified in the preceding paragraphs (b)-(e), including any reissues, reexaminations, revivals, renewals and extensions of said patents; and

(g) any right to recover damages, including royalties and provisional damages, for prior infringements of any patent or application for patent identified in the preceding paragraphs (b)-(f).

The above-granted rights, titles, and interests are to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made.

Assignor hereby requests the Commissioner of Patents to issue any and all aforementioned patents of the United States to the Assignee, as the Assignee of the Inventions and the Letters Patent to be issued thereon for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Acclarent, Inc.

Date: February 2, 2016By: Felissa Cagan  
Name: Felissa Cagan  
Title: Assistant Secretary

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of CALIFORNIA )County of ALAMEDA )

ss.

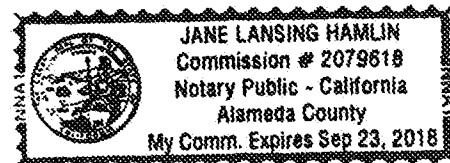
On FEBRUARY 2, 2016, before me, Jane Lansing Hamlin, Notary Public, personally appeared FELISSA CAGAN, personally known to me or proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature of Notary Public



Place Notary Seal Above

My Commission Expires: SEPTEMBER 23, 2018

Advanced ENT Solutions, Inc.

Date: 2-2-16

By: [Signature]  
Name: Amir Abolfathi  
Title: Chief Executive Officer

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

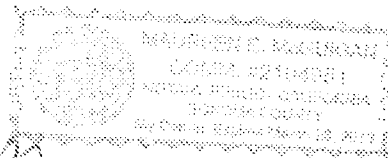
State of California, ss.  
County of Sonoma  
On 02/02/2016, before me, Maureen E. McGuigan, Notary Public,  
personally appeared Amir Abolfathi, personally known to me or  
proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are  
subscribed to the within instrument and acknowledged to me that he/she/they executed the same  
in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument  
the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.  
I certify under PENALTY OF PERJURY under the laws of the State of California that the  
foregoing paragraph is true and correct.

WITNESS my hand and official seal.

[Signature: Maureen E. McGuigan]  
Signature of Notary Public

Place Notary Seal Above

My Commission Expires: 03/28/2019



**SCHEDULE A – Patents and Patent Applications**

<b>Acclarent Docket No. (ACC-)</b>	<b>Country</b>	<b>Application No. / Date</b>	<b>Patent No. / Publication No. / Date</b>	<b>Status</b>
5001 - System And Method For The Simultaneous Bilateral Placement Of Pressure Equalization Tubes				
5001USPSP	US	60/912,902 04/19/2007		Expired
5001USNP	US	11/749,725 5/16/2007	9,216,112 12/22/2015	Issued
5001USNP2	US	11/749,729 5/16/2007	2008/0262510 10/23/2008	Pending
5001USNP3	US	11/749,726 5/16/2007	8,249,700 08/21/2012	Issued
5001USDIV1	US	13/587,806 08/16/2012	8,849,394 09/30/2014	Issued
5001USNP4	US	11/749,734 5/16/2007	8,052,693 11/08/2011	Issued
5001USCNT1	US	13/164,993 06/21/2011	8,702,722 04/22/2014	Issued
5001USCNT2	US	14/221,470 03/21/2014	2014/0194891 07/10/2014	Pending
5001USNP5	US	11/749,733 05/16/2007	8,425,488 04/23/2013	Issued
5001USDIV2	US	13/647,562 10/09/2012	2013/0090544 04/11/2013	Pending
5001WOPCT	PCT	PCT/US2008/060779 04/18/2008	WO 2008/131195 10/30/2008	Expired
5001AUPCT	Australia	2008242735 04/18/2008	2008242735 09/19/2013	Issued
5001AUPCD1	Australia	2013209354 07/26/2013	2013209354 10/29/2015	Issued
5001CAPCT	Canada	2684469 04/18/2008	2684469 10/30/2008	Pending
5001CNPCT	China	200880020861.9 04/18/2008	101795646 03/27/2013	Issued
5001CNPCD1	China	201310047126.X 04/18/2008	103202744 07/17/2013	Pending
5001EPEPT	Europe	08746237.0 04/18/2008	2136750 12/30/2009	Pending
5001INPCT	India	7091/DELNP/2009 04/18/2008		Pending
5001JPPCT	Japan	2010504267 04/18/2008	55-95905 09/24/2014	Issued

<b>Acclarent Docket No. (ACC-)</b>	<b>Country</b>	<b>Application No. / Date</b>	<b>Patent No. / Publication No. / Date</b>	<b>Status</b>
<b>5006 - Iontophoresis Methods</b>				
5006USNP	US	11/962,063 12/20/2007	8,192,420 06/05/2012	Issued
5006USDIV1	US	13/467,851 05/09/2012	2012/0220923 08/30/2012	Pending
<b>5007 - Systems And Methods For Anesthetizing Ear Tissue</b>				
5007USPSP	US	61/085,360 07/31/2008		Expired
5007USNP	US	12/510,217 07/27/2009	8,452,392 05/28/2013	Issued
5007USCNT1	US	13/798,635 03/13/2013	2013/0197426 08/01/2013	Pending
5007USCIP1	US	12/650,469 12/30/2009	8,840,602 09/23/2014	Issued
5007USCNT2	US	14/464,884 08/21/2014	2015/0068539 03/12/2015	Pending
5007WOPCT	PCT	PCT/US2009/52395 07/31/2009	WO 2010/014894 02/04/2010	Expired
5007WOPCT1	PCT	PCT/US2010/058718 12/02/2010	WO 2011/081772 07/07/2011	Expired
5007AUPCT	Australia	2009276384 07/31/2009	2009276384 06/18/2015	Issued
5007AUPCT1	Australia	2010337214 12/02/2010	2010337214 07/26/2012	Pending
5007BRPCT	Brazil	PI0916756-0 07/31/2009		Pending
5007BRPCT1	Brazil	112012016303-5 12/02/2010		Pending
5007CAPCT	Canada	2732595 07/31/2009	2732595 02/04/2010	Pending
5007CAPCT1	Canada	2786551 12/02/2010	2786551 07/07/2011	Pending
5007CNPCT	China	200980130731.5 07/31/2009	102119041 02/12/2014	Issued
5007CNPCT1	China	2010865012.2 12/02/2010	102892392 01/23/2013	Pending
5007DEEPT	Germany	09791044.2 07/31/2009	2328653 08/29/2012	Issued
5007ESEPT	Spain	09791044.2 07/31/2009	2328653 08/29/2012	Issued
5007FREPT	France	09791044.2 07/31/2009	2328653 08/29/2012	Issued
5007GPEPT	UK	09791044.2 07/31/2009	2328653 08/29/2012	Issued



<b>Acclarent Docket No. (ACC-)</b>	<b>Country</b>	<b>Application No. / Date</b>	<b>Patent No. / Publication No. / Date</b>	<b>Status</b>
5007ITEPT	Italy	09791044.2 07/31/2009	2328653 08/29/2012	Issued
5007EPEPT	Europe	09791044.2 07/31/2009	2328643 08/29/2012	Issued
5007EPEPT1	Europe	10793367.3 12/02/2010	2519199 11/07/2012	Pending
5007INPCT	India	362/KOLNP/2011 07/31/2009		Pending
5007INPCT1	India	5690/DELNP/2012 12/02/2010		Pending
5007JPPCT	Japan	2011521352 07/31/2009	53-23935 10/23/2013	Issued
5007JPPCT1	Japan	20120547088 12/02/2010	57-74601 09/09/2015	Issued
5007KRPCT	Korea	10-2011-7004163 07/31/2009	2011-0042328 04/26/2011	Pending
5007KRPCT1	Korea	10-2012-7019894 12/02/2010	2012-0099146 09/06/2012	Pending
5007MXPCT	Mexico	MX2011001100 07/31/2009	312576 08/22/2013	Issued
5007MXPCT1	Mexico	2012007726 06/29/2012	2012007726 08/15/2012	Pending
5007RUPCT	Russia	2011107228 07/31/2009	2503469 01/10/2014	Issued
5007RUPCT1	Russia	2012132458 07/31/2009	2012132458 02/10/2014	Pending
<b>5010 - Tympanic Membrane Pressure Equalization Tube Delivery System</b>				
5010USPSP	US	61/225,893 07/15/2009		Expired
5010USNP	US	12/836,654 07/15/2010	8,864,774 10/21/2014	Issued
5010USCIP1	US	14/457,412 08/12/2014		Pending
5010USCIP2	US	14/570,157 12/15/2014	2015/0164695 06/18/2015	Pending
5010USDP	US	29/365,810 07/15/2010	D640,374 06/21/2011	Issued
5010WOPCT	PCT	PCT/US2010/042128 07/15/2010	WO 2011/008948 01/20/2011	Expired
5010WOPCT1	PCT	PCT/US2015/044179 08/07/15		Pending
5010AUPCT	Australia	2010273372 07/15/2010	2010273372 10/01/2015	Pending
5010BRPCT	Brazil	112012001039.5 07/15/2010		Pending

<b>Acclarent Docket No. (ACC-)</b>	<b>Country</b>	<b>Application No. / Date</b>	<b>Patent No. / Publication No. / Date</b>	<b>Status</b>
5010CAPCT	Canada	2768009 07/15/2010	2768009 01/20/2011	Pending
5010CNPCT	China	20108041755.6 07/15/2010	102510746 08/20/2014	Issued
5010DEEPT	Germany	10735391 07/15/2010	2453855 06/26/2013	Issued
5010ESEPT	Spain	10735391 07/15/2010	2453855 06/26/2013	Issued
5010FREPT	France	10735391 07/15/2010	2453855 06/26/2013	Issued
5010GBEPT	UK	10735391 07/15/2010	2453855 06/26/2013	Issued
5010ITEPT	Italy	10735391 07/15/2010	2453855 06/26/2013	Issued
5010EPEPT	Europe	10735391.4 07/15/2010	2453855 06/26/2013	Issued
5010EPETD1	Europe	13173409.7 07/15/2010	2649972 10/16/2013	Pending
5010INPCT	India	333/DELNP/2012 07/15/2010	333/DELNP/2012 08/21/2015	Pending
5010JPPCT	Japan	2012520778 07/15/2010	55-96142 09/24/2014	Issued
5010KRPCT	Korea	10-2012-7003590 07/15/2010	2012-0037480 04/19/2012	Pending
5010MXPCT	Mexico	MX/A/12/000691 07/15/2010	329491 04/17/2015	Issued
5010RUPCT	Russia	20120105314 07/15/2010	2543856 03/10/2015	Issued
<b>5030 - Mechanically Registered Videoscopic Myringotomy/Tympanostomy Tube Placement System</b>				
5030USNP	US	09/843,541 04/26/2001	6,770,080 08/03/2004	Issued
5030USDIV1	US	10/841,420 05/06/2004	7,704,259 04/27/2010	Issued
5030USDIV2	US	12/754,304 04/05/2010	8,998,927 04/07/2015	Issued
5030USCNT1	US	14/660,972 03/18/2015	2015/0305944 10/29/2015	Pending
<b>5035 - Personalizable System And Method For Anesthetizing The Tympanic Membrane</b>				
5035USPSP	US	61/511,270 07/25/2011		Expired
5035USNP	US	13/551,965 07/18/2012	2013/0190678 07/25/2013	Pending
5035WOPCT	PCT	PCT/US2012/047179 07/18/2012	2013/016098 01/31/2013	Expired

<b>Acclarent Docket No. (ACC-)</b>	<b>Country</b>	<b>Application No. / Date</b>	<b>Patent No. / Publication No. / Date</b>	<b>Status</b>
5035AUPCT	Australia	2012287268 07/18/2012		Pending
5035CAPCT	Canada	2843147 07/18/2012		Pending
5035CNPCT	China	201280046667.4 07/18/2012	103826581 05/28/2014	Pending
5035EPEPT	Europe	12743007.2 07/18/2012	2736467 06/04/2014	Pending
5035INPCT	India	603/DELNP/2014 07/18/2012		Pending
5035KRPCT	Korea	10-2014-7004490 07/18/2012		Pending
5035MXPCT	Mexico	MX/A/2014/001073 07/18/2012		Pending
5035RUPCT	Russia	2014106868 07/18/2012	2014106868 08/27/2015	Pending
5035BRPCT	Brazil	112014001875-8 07/18/2012		Pending
5035JPPCT	Japan	2014-522882 07/18/2012		Pending
<b>5040 - Tympanic Membrane Pressure Equalization Tube</b>				
5040USPSP	US	61/622,274 04/10/2012		Expired
5040USDP	US	29/417,904 04/10/2012	D707,822 06/24/2014	Issued
5040USNP	US	13/800,113 03/13/2013	9,011,363 04/21/2015	Issued
5040USDIV1	US	14/668,071 03/25/2015	2015/0196430 07/16/2015	Pending
5040WOPCT	PCT	PCT/US2013/035953 04/10/2013	WO 2013/155169 10/17/2013	Expired
5040AUPCT	Australia	2013246006 04/10/2013		Pending
5040AUMOD	Australia	14837/2012 09/27/2012	345215 09/27/2012	Issued
5040BRMOD	Brazil	302012005250-5 04/10/2013		Pending
5040CAPCT	Canada	2869927 04/10/2013		Pending
5040CAMOD	Canada	147737 10/03/2012	147737 05/02/2013	Issued
5040CNPCT	China	201380019310.1 04/10/2013	104244878 12/24/2014	Pending
5040CNMOD	China	201230481582.1 10/10/2012	201230481582.1 06/19/2013	Issued

<b>Acclarent Docket No. (ACC-)</b>	<b>Country</b>	<b>Application No. / Date</b>	<b>Patent No. / Publication No. / Date</b>	<b>Status</b>
5040EPEPT	Europe	13718264.8 04/10/2013		Pending
5040EMCD	Europe	002113555-0001 10/04/2012	002113555-001 10/04/2012	Issued
5040INPCT	India	8043/DELNP/2014 04/10/2013		Pending
5040INMOD	India	248511 10/08/2012	248511 05/20/2013	Issued
5040JPMOD	Japan	2012-024455 10/09/2012	1461590 01/11/2013	Issued
5040KRPCT	Korea	10-2014-7031224 04/10/2013		Pending
5040KRMOD	Korea	30-2012-0047633 10/08/2012	30-0715384 11/01/2013	Issued
5040MXPCT	Mexico	MX/A/2014/012237 04/10/2013	MS/A/2014/012237 12/18/2014	Pending
5040MXMOD	Mexico	MX/F/2012/003250 10/10/2012	40565 12/09/2013	Issued
5040RUPCT	Russia	2014145020 04/10/2013		Pending
<b>5044 - Adhesive Earplugs Useful For Sealing The Ear Canal</b>				
5044USPSP	US	61/653,080 05/30/2012		Expired
5044USNP	US	13/827,403 03/14/2013	2014/0102461 04/17/2014	Pending
5044WOPCT	PCT	PCT/US2013/041816 05/20/2013	WO 2013/181009 12/05/2013	Expired
5044AUPCT	Australia	2013267734 05/20/2013	2013267734 01/22/2015	Pending
5044CAPCT	Canada	2875123 05/20/2013	2875123 12/05/2013	Pending
5044CNPCT	China	201380027926.3 05/20/2013	104379097 02/25/2015	Pending
5044EPEPT	Europe	13725045.2 05/20/2013	2854731 04/08/2015	Pending
5044INPCT	India	9669/DELNP/2014 05/20/2013	9669/DELNP/2014 07/31/2015	Pending
5044KRPCT	Korea	10-2014-7036262 05/20/2013	2015-0015521 02/10/2015	Pending
5044MXPCT	Mexico	MX/A/2014/014651 05/20/2013	MX/A/2014/014651 02/24/2015	Pending
5044RUPCT	Russia	2014153580 05/20/2013		Pending
<b>5048 - System And Method For Providing Iontophoresis At Tympanic Membrane</b>				

<b>Acclarent Docket No. (ACC-)</b>	<b>Country</b>	<b>Application No. / Date</b>	<b>Patent No. / Publication No. / Date</b>	<b>Status</b>
5048USNP	US	13/804,491 03/14/2013	2014/0276352 09/18/2014	Pending
5048WOPCT	PCT	PCT/US2014/018017 02/24/2014	WO 2014/158543 10/02/2014	Expired
5048EPEPT	Europe	14709119.3 02/24/2014	2968927 01/20/2016	Pending
<b>5049 - Features To Improve And Sense Tympanic Membrane Apposition By Tympanostomy Tube Delivery Instrument</b>				
5049USNP	US	13/804,553 03/14/2013	2014/0276906 09/18/2014	Pending
5049WOPCT	PCT	PCT/US2014/018320 02/25/2014	WO 2014/158571 10/02/2014	Expired
5049EPEPT	Europe	14712386.3 02/25/2014	2968009 01/20/2016	Pending
<b>5051 - Tympanostomy Tube Delivery Device With Cutting Dilator</b>				
5051USNP	US	13/804,612 03/14/2013	2014/0277050 09/18/2014	Pending
5051WOPCT	PCT	PCT/US2014/018347 02/25/2014	WO 2014/143543 09/18/2014	Expired
5051EPEPT	Europe	14709141.7 02/25/2014	2967643 01/20/2016	Pending
<b>5072 - Tympanostomy Tube Delivery Device With Elastomeric Brake</b>				
5072USNP	US	14/455,465 08/08/2014		Pending
5072WOPCT	PCT	PCT/US2015/044173 08/07/2015		Pending
<b>5073 - Tympanostomy Tube Delivery Device With Cutter Force Clutch</b>				
5073USNP	US	14/457,266 08/12/2014		Pending
5073WOPCT	PCT	PCT/US2015/044183 08/07/2015		Pending
<b>5074 - Tympanostomy Tube Delivery Device With Rotatable Flexible Shaft</b>				
5074USNP	US	14/456,080 08/11/2014		Pending
5074WOPCT	PCT	PCT/US2015/044177 08/07/2015		Pending
<b>5075 - Tympanostomy Tube Delivery Device With Replaceable Shaft Portion</b>				
5075USNP	US	14/457,293 08/12/2014		Pending
5075WOPCT	PCT	PCT/US2015/044610 08/11/2015		Pending

<b>Acclarent Docket No. (ACC-)</b>	<b>Country</b>	<b>Application No. / Date</b>	<b>Patent No. / Publication No. / Date</b>	<b>Status</b>
5104 - Single-Piece Earplug Liner				
5104USNP	US	14/800,869 07/16/2015		Pending

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