

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4184992

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>			<b>Execution Date</b>
TELEDYNE REYNOLDS, INC.			12/14/2016
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	TELEDYNE TECHNOLOGIES INCORPORATED		
<b>Street Address:</b>	1049 CAMINO DOS RIOS		
<b>City:</b>	THOUSAND OAKS		
<b>State/Country:</b>	CALIFORNIA		
<b>Postal Code:</b>	91360		
<b>PROPERTY NUMBERS Total: 4</b>			
<b>Property Type</b>	<b>Number</b>		
<b>Patent Number:</b>	7808581		
<b>Patent Number:</b>	8358081		
<b>Patent Number:</b>	8534901		
<b>Patent Number:</b>	9143030		
<b>CORRESPONDENCE DATA</b>			
<b>Fax Number:</b>	(805)373-4808		
<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>	805-373-4885		
<b>Email:</b>	WENDY.BILLINGSLEY@TELEDYNE.COM		
<b>Correspondent Name:</b>	WENDY K. BILLINGSLEY		
<b>Address Line 1:</b>	1049 CAMINO DOS RIOS		
<b>Address Line 4:</b>	THOUSAND OAKS, CALIFORNIA 91360		
<b>ATTORNEY DOCKET NUMBER:</b>	460Z-2016-003		
<b>NAME OF SUBMITTER:</b>	WENDY BILLINGSLEY		
<b>SIGNATURE:</b>	/WENDY KATHLEEN BILLINGSLEY/		
<b>DATE SIGNED:</b>	12/14/2016		
<b>Total Attachments: 3</b>			
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source=2016-12-14 Reynolds-TTI Patent Assignment#page2.tif			
source=2016-12-14 Reynolds-TTI Patent Assignment#page3.tif			

## PATENT ASSIGNMENT

THIS CONFIRMATORY PATENT ASSIGNMENT (this "Assignment") between **Teledyne Reynolds, Inc.**, a California corporation ("Assignor"), and **Teledyne Technologies Incorporated**, a Delaware corporation ("Assignee"), is effective as of the date it was executed by Assignor and Assignee (the "Effective Date").

WHEREAS, Assignor previously obtained various patents and patent applications from Assignee but now seeks to return them to Assignee; and

WHEREAS, Assignor and Assignee both desire that Assignor assign various patents and patent applications to a third party, and in support of that transaction desire to insure that all rights in such patents and patent applications are held solely by Assignee.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereto agree, intending to be legally bound, as follows:

1. Assignor hereby sells, transfers, assigns, conveys, sets over and delivers to Assignee its successors and assigns, and Assignee confirms that it hereby accepts all of Assignor's rights, title and interests, if any, in and to the following (the "Assigned Patents"):

(a) the patents and patent applications set forth on Schedule 1 hereto and all issuances, divisions, continuations, continuations-in-part, reissues, extensions, reexaminations and renewals thereof;

(b) all rights of any kind whatsoever of Assignor accruing under any of the foregoing provided by applicable law of any jurisdiction, by international treaties and conventions and otherwise throughout the world;

(c) any and all royalties, fees, income, payments and other proceeds now or hereafter due or payable with respect to any and all of the foregoing; and

(d) any and all claims and causes of action with respect to any of the foregoing, whether accruing before, on and/or after the Effective Date, including all rights to and claims for damages, restitution and injunctive and other legal and equitable relief for past, present and future infringement, misappropriation, violation, misuse, breach or default, with the right but not the obligation to sue for such legal and equitable relief and to collect, or otherwise recover, any such damages.


2. Assignor hereby authorizes and requests the United States Commissioner of Patents and Trademarks and the proper officials of all other countries to record this Assignment upon request of Assignee. At Assignee's cost and expense, Assignor shall take such steps and actions following the Effective Date, including the execution of any documents, files, registrations, or other similar items, to ensure that the Assigned Patents are assigned to Assignee, or any assignee or successor thereto.

*[signature page follows]*

SIGNATURE PAGE TO CONFIRMATORY PATENT ASSIGNMENT

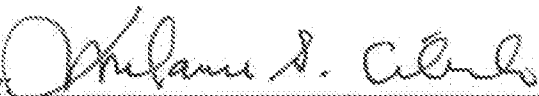
IN WITNESS WHEREOF, Assignor has executed this Assignment on this 14<sup>th</sup> day of December, 2016.

**TELEDYNE REYNOLDS, INC.**

By:   
Name: Susan L. Main  
Title: Senior Vice President and Chief Financial Officer

ACKNOWLEDGED AND ACCEPTED:

**TELEDYNE TECHNOLOGIES INCORPORATED**

By:   
Name: Melanie S. Cibik  
Title: Senior Vice President, General Counsel,  
Chief Compliance Officer and Secretary

SCHEDULE 1  
To  
Patent Assignment

	LED with light extractor (US Patent now expired)	
	Europe	1157420
	Canada	2351822
6177761	France	1157420
	Germany	1157420
	Japan	4786795
	United Kingdom	1157420
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6166860	Screen illumination apparatus and method	
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	Strip lighting apparatus and method	
6637924	Canada	2437494
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	Light extraction from LEDs with light pipes	
6560038	Canada	2413760
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	Fluorescent lighting apparatus	
6784603	Japan	4520739
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7163318	Illuminator assembly	
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	Illuminator assembly	
	Canada	2500479
7344280	Germany	1550167
	Europe	1550167
	Great Britain	1550167
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	Low profile backlight apparatus	
7808581	Canada	N/A
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	Lamp assembly	
	Europe	N/A
8358081	Canada	N/A
	China	102771191
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8083384	Efficient illumination device for aircraft	
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	Collimating waveguide apparatus and method	
	China	103238090
8534901	Great Britain	N/A
	Hong Kong	N/A
	Taiwan	N/A
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8608328	Light source with secondary emitter conversion element	
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	Passive power factor correction incorporating AC/DC conversion	
9143030	Europe	N/A
	Japan	N/A
	Korea	N/A