#### 503545870 10/29/2015

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3592497

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date	
INGMAR BRUDER	07/02/2014	
ROBERT SEND	07/02/2014	
STEPHAN IRLE	11/26/2014	
ERWIN THIEL	11/27/2014	

### **RECEIVING PARTY DATA**

Name:	BASF SE
Street Address:	
City:	LUDWIGSHAFEN
State/Country:	GERMANY
Postal Code:	67056

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14787909

#### **CORRESPONDENCE DATA**

Fax Number: (703)413-2220

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.

(703) 413-3000 Phone:

Email: Tgessesse@oblon.com

**Correspondent Name:** OBLON, ET AL. Address Line 1: 1940 DUKE STREET

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	460725US106PCT
NAME OF SUBMITTER:	TIRHAS GESSESSE
SIGNATURE:	/Tirhas Gessesse/
DATE SIGNED:	10/29/2015

#### **Total Attachments: 4**

source=460725USAssignment#page1.tif source=460725USAssignment#page2.tif source=460725USAssignment#page3.tif

source=460725USAssignment#page4.tif

## DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1. 76) AND ASSIGNMENT

Title of Invention	Optical detector and method for manufacturing the same	
As the below named inventor, I hereby declare that:		
This declaration	on [] The attached application, or	
is directed to:	[X] United States application or PCT international application number PCT/EP2014/061688 filed on 05th June 2014	
The above-ide	entified application was made or authorized to be made by me.	
I believe that I	am the original inventor or an original joint inventor of a claimed invention in the application.	
WHEREAS, BASF SE having places of business at: 67056 Ludwigshafen, Germany, (hereinafter referred to as "ASSIGNEE(S)") is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;		
acknowledged the said invento claim prior Arrangements	EREFORE, for good and valuable consideration the receipt and sufficiency of which is hereby d. I. by these presents do assign and transfer unto said ASSIGNEE(S), the full and exclusive right to attion in the United States and its territorial possessions and in all foreign countries (including the right into ity under the terms of the International Convention and other relevant International Treaties and is from the aforesaid application) and the entire right, title and interest in and to any and all Letters may be granted therefor in the United States and its territorial possessions and in any and all foreign in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.	
any and all for the assignee	uthorize and request the Patent Office Officials in the United States and its territorial possessions and preign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE(S) as of my entire right, title and Interest in and to the same, for the sole use and behoof of said (s), its (his) successors and assigns, to the full end of the term for which said Letters Patent may be utily and entirely as the same would have been held by me had this Assignment and sale not been	
respecting sa continuation, and all of sa	agree that I will communicate to said ASSIGNEE(S) or its (his) representatives any facts known to me aid invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any aid Letters Patent to be issued to said ASSIGNEE(S), make all rightful oaths, and, generally dopossible to aid said ASSIGNEE(S), its (his) successors and assigns, to obtain and enforce proper said invention in the United States and its territorial possessions and in any and all foreign countries.	
hereby a 1001 by fine	acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. or imprisonment of not more than five (5) years, or both.	
LEGAL NAME OF INVENTOR		
Inventor: I	ngmar Bruder Date: 02-07-2014	
Signature:	3. Bude	

# DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1. 76) AND ASSIGNMENT

Title of Invention	Optical detector and method for manufacturing the same	
As the below r	named inventor, I hereby declare that:	
This declaration		
is directed to:	[X] United States application or PCT international application number PCT/EP2014/061688 filed on 05th June 2014	
The above-identified application was made or authorized to be made by me.		
I believe that I	I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.	
WHEREAS, BASF SE having places of business at: 67056 Ludwigshafen, Germany, (hereinafter referred to as "ASSIGNEE(S)") is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;		
acknowledged the said inverto claim prior Arrangements Patent which countries and	EREFORE, for good and valuable consideration the receipt and sufficiency of which is hereby d, i, by these presents do assign and transfer unto said ASSIGNEE(S), the full and exclusive right to nation in the United States and its territorial possessions and in all foreign countries (including the right rity under the terms of the International Convention and other relevant International Treaties and is from the aforesaid application) and the entire right, title and interest in and to any and all Letters may be granted therefor in the United States and its territorial possessions and in any and all foreign I in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.	
any and all for the assignee ASSIGNEE(S granted, as f made.	authorize and request the Patent Office Officials in the United States and its territorial possessions and preign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE(S) as of my entire right, title and interest in and to the same, for the sole use and behoof of said (S), its (his) successors and assigns, to the full end of the term for which said Letters Patent may be fully and entirely as the same would have been held by me had this Assignment and sale not been	
respecting s continuation, and all of se	agree that I will communicate to sald ASSIGNEE(S) or its (his) representatives any facts known to me aid invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, substitute, renewal and relssue applications, execute all necessary assignment papers to cause any aid Letters Patent to be issued to said ASSIGNEE(S), make all rightful oaths, and, generally do ossible to aid said ASSIGNEE(S), its (his) successors and assigns, to obtain and enforce proper resaid invention in the United States and its territorial possessions and in any and all foreign countries.	
	acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. or imprisonment of not more than five (5) years, or both.	
LEGAL NAME OF INVENTOR		
Inventor:	Robert Send  Date: old old (%	
Signature:_		

### DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT

Title of	Optical detector and method for manufacturing the same
Invention	·
As the below r	named inventor, I hereby declare that:
This declaration	
is directed to:	[X] United States application or PCT international application number PCT/EP2014/061688 filed on 05th June 2014
The above-ide	entified application was made or authorized to be made by me.
I believe that I	am the original inventor or an original joint inventor of a claimed invention in the application.
(hereinafter re is desirous of that may be countries;	ASF SE having places of business at: 67056 Ludwigshafen, Germany, eferred to as "ASSIGNEE(S)") acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent granted therefore in the United States and its territorial possessions and in any and all foreign
acknowledged the said invento claim prior Arrangements	EREFORE, for good and valuable consideration the receipt and sufficiency of which is hereby d. I. by these presents do assign and transfer unto said ASSIGNEE(S), the full and exclusive right to attorn in the United States and its territorial possessions and in all foreign countries (including the right trity under the terms of the International Convention and other relevant International Treaties and from the aforesaid application) and the entire right, title and interest in and to any and all Letters may be granted therefor in the United States and its territorial possessions and in any any and in any any any any any any any any any an
any and all for the assignee ASSIGNEE(S granted, as for made.	uthorize and request the Patent Office Officials in the United States and its territorial possessions and preign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE(S) as of my entire right, title and interest in and to the same, for the sole use and behapf of said sol, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be utily and entirely as the same would have been held by me had this Assignment and sale not been
respecting sa continuation, and all of sa	agree that I will communicate to said ASSIGNEE(S) or its (his) representatives any facts known to me aid invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional substitute, renewal and reissue applications, execute all necessary assignment papers to cause any aid Letters Patent to be issued to said ASSIGNEE(S), make all rightful oaths, and, generally doossible to aid said ASSIGNEE(S), its (his) successors and assigns, to obtain and enforce proper said invention in the United States and its territorial possessions and in any and all foreign
1 hereby s	acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C or imprisonment of not more than five (5) years, or both.
LEGAL NAM	E OF INVENTOR
Inventor: S	Stephan Irle Date: 26.11.20
	566
Signature:	

Stand: 11/2012

### DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1. 76) AND ASSIGNMENT

Title of		
Invention	Optical detector and method for manufacturing the same	
As the below r	named inventor, I hereby declare that:	
This declaration	on [] The attached application, or	
is directed to:	[X] United States application or PCT International application number PCT/EP2014/061 filed on 05th June 2014	1688
The above-ide	entified application was made or authorized to be made by me.	
I believe that I	am the original inventor or an original joint inventor of a claimed invention in the application	
(hereinafter re is desirous of that may be countries;	BASF SE having places of business at: 67056 Ludwigshafen, Germany, eferred to as "ASSIGNEE(S)") acquiring the entire right, title and Interest in and to said invention and in and to any Lette granted therefore in the United States and its territorial possessions and in any and a	ili roreign
acknowledged the said invento claim prior Arrangements	EREFORE, for good and valuable consideration the receipt and sufficiency of which d. I, by these presents do assign and transfer unto said ASSIGNEE(S), the full and exclusivation in the United States and its territorial possessions and in all foreign countries (including rity under the terms of the International Convention and other relevant International Trees from the aforesaid application) and the entire right, title and interest in and to any and may be granted therefor in the United States and its territorial possessions and in any and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof	the right lost the right laties and lating all Letters
any and all for the assignee ASSIGNEE(S granted, as for made.	uthorize and request the Patent Office Officials in the United States and its territorial possessoreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGN of my entire right, title and interest in and to the same, for the sole use and behalf), its (his) successors and assigns, to the full end of the term for which said Letters Pate utily and entirely as the same would have been held by me had this Assignment and sale	of of said nt may be not been
respecting sa continuation, and all of sa	agree that I will communicate to said ASSIGNEE(S) or its (his) representatives any facts kn aid invention, and testify in any legal proceeding, sign all lawful papers, execute all substitute, renewal and reissue applications, execute all necessary assignment papers to aid Letters Patent to be issued to said ASSIGNEE(S), make all rightful oaths, and, ge ossible to aid said ASSIGNEE(S), its (his) successors and assigns, to obtain and enformation in the United States and its territorial possessions and in any and all foreign	cause any nerally do rce proper
l hereby a	acknowledge that any willful false statement made in this declaration is punishable under or Imprisonment of not more than five (5) years, or both.	
LEGAL NAM	E OF INVENTOR	
<u> </u>	Erwin Thiel Date: 27	M. 14
Signature:	Fri-Da	
L		

Stand: 11/2012

US Declaration - national - 250346