505992335 03/31/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT6039045

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SAMUEL BLAHUTA	07/30/2013
ERIC E. MATTMANN	07/29/2013
DAMIEN PAUWELS	07/22/2013
BRUNO VIANA	06/14/2013

RECEIVING PARTY DATA

Name:	SAINT-GOBAIN CRISTAUX ET DETECTEURS	
Street Address:	18 Avenue d'Alsace	
City:	Courbevoie	
State/Country:	FRANCE	
Postal Code:	92400	

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	15833774	

CORRESPONDENCE DATA

Fax Number: (512)795-7677

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.

5129008500 Phone: Email: mail@abel-ip.com

Correspondent Name: ABEL SCHILLINGER, LLP 5929 BALCONES DRIVE Address Line 1:

Address Line 2: SUITE 300

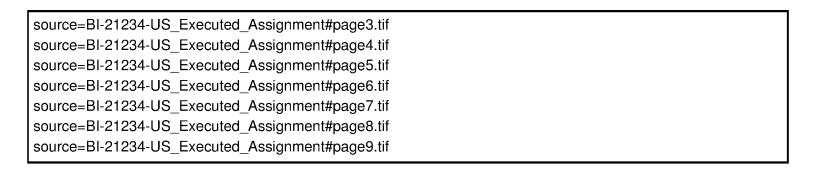
Address Line 4: AUSTIN, TEXAS 78731

ATTORNEY DOCKET NUMBER:	BI-21234-US-C2
NAME OF SUBMITTER:	PETYA JUNGOWSKI
SIGNATURE:	/Petya Jungowski/
DATE SIGNED:	03/31/2020

Total Attachments: 9

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PATENT REEL: 052268 FRAME: 0989 505992335



PATENT REEL: 052268 FRAME: 0990

For good and valuable consideration, the receipt of which is hereby acknowledged, I, an Assignor named below,

hereby sell, assign and transfer to

ASSIGNEE:

SAINT-GOBAIN CRISTAUX ET DETECTEURS, having a principal

place of business at 18 Avenue d'Alsace, 92400 Courbevoie,

FRANCE,

its successors, assigns and legal representatives, my entire right, title and interest throughout the world, including all rights to claim priority, in and to the invention disclosed in:

File No	Title	Application No. (Patent No.)	Application Date (Grant Date)
BI-21234-US-P	Scintillation Compound Including a Rare Earth Element and a Process of Forming the Same	61/540,326	09/28/2011
CC72010111-PROV	Luminescent Material Comprising a Doped Rare Earth Silicate	61/540,339	09/28/2011
BI-21234-US	Scintillation Compound Including a Rare Earth Element and a Process of Forming the Same	13/885,966	05/16/2013
CC72010111-US	Scintillating Material Having Low Afterglow	12/977,947	12/23/2010
BI-21234-FR	Scintillating Material Having Low Afterglow	1158466	09/22/2011
CC72010111-FR2	Scintillation Compound Including a Rare Earth Element and a Process of Forming the Same	1158467	09/22/2011
CC72010111-FR1	Scintillating Material Having Low Afterglow	1059394	11/16/2010
BI-21234-PC1	Scintillation Compound Including a Rare Earth Element and a Process of Forming the Same	PCT/IB11/03026	11/16/2011
CC72010111-PC	Luminescent Material Comprising a Doped Rare Earth Silicate	PCT/IB11/03028	11/16/2011

("Invention") including without limitation, my entire right, title and interest in and to any and all United States and foreign applications (including international, regional and foreign national

- Page 1 of 2 -

PATENT

REEL: 052268 FRAME: 0991

applications) for said Invention, including divisions, continuations, continuations-in-part, utility models, industrial designs, renewals, substitutes and extensions thereof, and in and to any and all patents, invention registrations, or other forms of protection ("Patents") of every country or region that may be granted or have been granted for said Invention, including any reissues and reexaminations thereof.

To comply with 37 C.F.R. § 3.21 for recording	g this Assignment, I authorize and request that the
application number and filing date be inserted	here, if not already shown above,
() when they become known.

I authorize Assignee to apply for and be granted patents in the United States and foreign countries for said Invention, and to claim all rights of priority without further authorization from me.

I agree that, upon request and without further compensation, but at no expense to me, I and/or my legal representatives and assigns will do all lawful acts, including the execution of papers and the giving of testimony, that may be necessary or desirable for obtaining, sustaining, reissuing, or enforcing the Patents in the United States and throughout the world for said Invention, and for perfecting, recording, or maintaining the title of Assignee, its successors and assigns, to said Invention, said application, and any Patents granted for said Invention in the United States and throughout the world.

I hereby covenant that no assignment, sale, license, agreement, or encumbrance has been or will be made or entered into that would conflict with this Assignment.

I authorize and request the Director of the United States Patent and Trademark Office and agencies, departments, or other similar offices and officials of all foreign countries to issue any Patents granted for said Invention, whether on said application or on any subsequently filed divisional, continuation, continuation-in-part, reexamination, reissue or other application, to Assignee, its successors and assigns, as the assignee of the entire interest in said Invention.

Executed on Ly 30th, 2013 by_	Bold S. Blahyta. Samuel Blahuta
Witnessed on 30 July , 2013 by	Non-inventor Witness Signature

For good and valuable consideration, the receipt of which is hereby acknowledged, I, an Assignor named below,

Eric E. Mattmann of Paris, 75013, FRANCE

hereby sell, assign and transfer to

ASSIGNEE:

SAINT-GOBAIN CRISTAUX ET DETECTEURS, having a principal

place of business at 18 Avenue d'Alsace, 92400 Courbevoie,

FRANCE,

its successors, assigns and legal representatives, my entire right, title and interest throughout the world, including all rights to claim priority, in and to the invention disclosed in:

File No	Title	Application No. (Patent No.)	Application Date (Grant Date)
CC72010111-PROV	Luminescent Material Comprising a Doped Rare Earth Silicate	61/540,339	09/28/2011
BI-21234-US	Scintillation Compound Including a Rare Earth Element and a Process of Forming the Same	13/885,966	05/16/2013
CC72010111-US	Scintillating Material Having Low Afterglow	12/977,947	12/23/2010
BI-21234-FR	Scintillating Material Having Low Afterglow	1158466	09/22/2011
CC72010111-FR2	Scintillation Compound Including a Rare Earth Element and a Process of Forming the Same	1158467	09/22/2011
CC72010111-FRI	Scintillating Material Having Low Afterglow	1059394	11/16/2010
BI-21234-PC1	Scintillation Compound Including a Rare Earth Element and a Process of Forming the Same	PCT/IB11/03026	11/16/2011
CC72010111-PC	Luminescent Material Comprising a Doped Rare Earth Silicate	PCT/IB11/03028	11/16/2011

("Invention") including without limitation, my entire right, title and interest in and to any and all United States and foreign applications (including international, regional and foreign national applications) for said Invention, including divisions, continuations, continuations-in-part, utility models, industrial designs, renewals, substitutes and extensions thereof, and in and to any and all patents, invention registrations, or other forms of protection ("Patents") of every country or

region that m reexamination		granted for said Invention, including any reissues and
application nu	umber and filing date be ins	ording this Assignment, I authorize and request that the erted here, if not already shown above,) when they become known.
		granted patents in the United States and foreign all rights of priority without further authorization from

I agree that, upon request and without further compensation, but at no expense to me, I and/or my legal representatives and assigns will do all lawful acts, including the execution of papers and the giving of testimony, that may be necessary or desirable for obtaining, sustaining, reissuing, or enforcing the Patents in the United States and throughout the world for said Invention, and for perfecting, recording, or maintaining the title of Assignee, its successors and assigns, to said Invention, said application, and any Patents granted for said Invention in the United States and throughout the world.

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Executed on July	23	_, 201 3 by
,		Eric E. Mattmann
Witnessed on July	23	, 2013 by <u>Sumo BASTIF</u> , Non-inventor Witness Signature

For good and valuable consideration, the receipt of which is hereby acknowledged, I, an Assignor named below,

Damien Pauwels of Mandelieu La Napoule, 06210, FRANCE

hereby sell, assign and transfer to

ASSIGNEE:

SAINT-GOBAIN CRISTAUX ET DETECTEURS, having a principal

place of business at 18 Avenue d'Alsace, 92400 Courbevoie,

FRANCE,

its successors, assigns and legal representatives, my entire right, title and interest throughout the world, including all rights to claim priority, in and to the invention disclosed in:

File No	Title	Application No. (Patent No.)	Application Date (Grant Date)	
CC72010111-PROV	Luminescent Material Comprising a Doped Rare Earth Silicate	61/540,339	09/28/2011	
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CC72010111-FR1	Scintillating Material Having Low Afterglow	1059394	11/16/2010	
BI-21234-PC1	Scintillation Compound Including a Rare Earth Element and a Process of Forming the Same	PCT/IB11/03026	11/16/2011	
CC72010111-PC	Luminescent Material Comprising a Doped Rare Earth Silicate	PCT/IB11/03028	11/16/2011	

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region that may be granted or have been granted for said Invention, including any reissues and reexaminations thereof.
To comply with 37 C.F.R. § 3.21 for recording this Assignment, I authorize and request that the application number and filing date be inserted here, if not already shown above, (/
I authorize Assignee to apply for and be granted patents in the United States and foreign countries for said Invention, and to claim all rights of priority without further authorization from me.
I agree that, upon request and without further compensation, but at no expense to me, I and/or my legal representatives and assigns will do all lawful acts, including the execution of papers and the giving of testimony, that may be necessary or desirable for obtaining, sustaining, reissuing, or enforcing the Patents in the United States and throughout the world for said Invention, and for perfecting, recording, or maintaining the title of Assignee, its successors and assigns, to said Invention, said application, and any Patents granted for said Invention in the United States and throughout the world.
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I authorize and request the Director of the United States Patent and Trademark Office and agencies, departments, or other similar offices and officials of all foreign countries to issue any Patents granted for said Invention, whether on said application or on any subsequently filed divisional, continuation, continuation-in-part, reexamination, reissue or other application, to Assignee, its successors and assigns, as the assignee of the entire interest in said Invention.
Executed on 22/7, 201 3 by Daymon Fauwels
Witnessed on 11 /o 7, 2013 by Non-inventor Witness Signature

Attorney Docket No.: BI-21234-US

ASSIGNMENT OF INVENTION

For	good	and	valuable	consideration,	the	receipt	of	which	îs	hereby	acknowledged,
I, an	Assign	ior nai	med below	•							

Samuel Blahuta of Paris, 75014, FRANCE

Eric E. Mattmann of Paris, 75013, FRANCE

Damien Pauweis of Mandelieu La Napoule, 06210, FRANCE

Bruno Viana of Montgeron, 91230, FRANCE

Vladimir Ouspenski of Saint-Pierre les Nemours, 77140, FRANCE

hereby sell, assign and transfer to

ASSIGNEE:

SAINT-GOBAIN CRISTAUX ET DETECTEURS, having a principal place of business at 18 Avenue d'Alsace, 92400 Courbevoie, FRANCE,

its successors, assigns and legal representatives, my entire right, title and interest throughout the world, including all rights to claim priority, in and to the invention disclosed in:

	U.S. Patent Ap	oplication executed on	or about the date	of this Assignment,
	U.S. Patent Ap	pplication executed on pplication executed on	*******************************	×
	U.S. Provision	nal Application ion No.:13/885,966	, filed (m,
\boxtimes	U.S. Applicati	on No.: <u>13/885,966</u>	, filed on May 16	<u>. 2013</u> , or
	International /	Application No.: <u>PCT/</u>		filed on

ENTITLED:

SCINTILLATION COMPOUND INCLUDING A RARE EARTH ELEMENT AND A PROCESS OF FORMING THE SAME, and

naming as

Samuel Blahuta, Eric E. Mattmann, Damien Pauwels, Bruno Viana, and INVENTOR(S): Vladimir Ouspenskí.

("Invention") including without limitation, my entire right, title and interest in and to any and all United States and foreign applications (including international, regional and foreign national applications) for said Invention, including divisions, continuations, continuations-in-part, utility models, industrial designs, renewals, substitutes and extensions thereof, and in and to any and all patents, invention registrations, or other forms of protection ("Patents") of every country or region that may be granted or have been granted for said Invention, including any reissues and reexaminations thereof.

To comply	with 37 C	P.R.	§ 3.21	for rec	ordir	ng this As	ssignme	nt, I	anti	iorize and	request	that the
application	number	and	filing	date	be	inserted	here,	11	not	already	shown	above,
(filed	******	******	*****	*******) when	they	beco	ome know	n.	

- Page 1 of 3 -

Attorney Docket No.: BI-21234-US

I authorize Assignee to apply for and be granted patents in the United States and foreign countries for said Invention, and to claim all rights of priority without further authorization from me.

I agree that, upon request and without further compensation, but at no expense to me, I and/or my legal representatives and assigns will do all lawful acts, including the execution of papers and the giving of testimony, that may be necessary or desirable for obtaining, sustaining, reissuing, or enforcing the Patents in the United States and throughout the world for said Invention, and for perfecting, recording, or maintaining the title of Assignee, its successors and assigns, to said Invention, said application, and any Patents granted for said Invention in the United States and throughout the world.

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Executed on, 201 by	Samuel Blahuta
Witnessed on by	Non-inventor Witness Signature
Executed on, 201 by	Eric E. Mattmann
Witnessed on, 201 by	Non-inventor Witness Signature

Executed on	
Executed on 14.78 14.8, 2013. by Witnessed on 14.44.4.2013. by	
Executed on	riginan Ousponson

- Page 3 of 3 -

Attorney Docket No.; BI-21234-US