503841265 05/24/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3887913

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DR. JORDI TEVA	11/15/2015
DR. FREDERIC ROGER	11/09/2015
EWALD STUECKLER	11/10/2015
STEFAN JESSENIG	11/10/2015
DR. RAINER MINIXHOFER	11/10/2015
EWALD WACHMANN	11/09/2015
DR. MARTIN SCHREMS	11/10/2015
DR. GUENTHER KOPPITSCH	11/10/2015

RECEIVING PARTY DATA

Name:	AMS AG
Street Address:	SCHLOSS PREMSTAETTEN
Internal Address:	TOBELBADER STR. 30
City:	UNTERPREMSTAETTEN
State/Country:	AUSTRIA
Postal Code:	8141

PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	14777484		

CORRESPONDENCE DATA

Fax Number:	()	851-9348			
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.					
Phone:	9498	510633			
Email:	mlusian@mwe.com				
Correspondent Name:	MCDERMOTT WILL & EMERY LLP				
Address Line 1:	4 PARK PLAZA				
Address Line 2:	SUITE 1700				
Address Line 4: IRVINE, CALIFORNIA 92614		IE, CALIFORNIA 92614			
ATTORNEY DOCKET NUMB	ER:	090922-0430			
NAME OF SUBMITTER:		JOHN D. MAGLUYAN, REG. NO. 56,867			

SIGNATURE:	/John D. Magluyan/		
DATE SIGNED:	05/24/2016		
Total Attachments: 14			
source=090922-0430Assignment#	age1.tif		
source=090922-0430Assignment#	age2.tif		
source=090922-0430Assignment#	age3.tif		
source=090922-0430Assignment#	age4.tif		
source=090922-0430Assignment#page5.tif			
source=090922-0430Assignment#page6.tif			
source=090922-0430Assignment#page7.tif			
source=090922-0430Assignment#page8.tif			
source=090922-0430Assignment#page9.tif			
source=090922-0430Assignment#page10.tif			
source=090922-0430Assignment#page11.tif			
source=090922-0430Assignment#page12.tif			
source=090922-0430Assignment#	source=090922-0430Assignment#page13.tif		
source=090922-0430Assignment#page14.tif			

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

(1)	Dr. Jordi TEVA	(5)	Dr. Rainer MINIXHOFER
(2)	Dr. Frederic ROGER	(6)	Ewald WACHMANN
(3)	Ewald STUECKLER	(7)	Dr. Martin SCHREMS
(4)	Stefan JESSENIG	(8)	Dr. Guenther KOPPITSCH

who have made a certain new and useful invention, hereby sell, assign and transfer unto

 ams AG

 Schloss Premstaetten

 Tobelbader Str. 30

 8141 Unterpremstaetten

 AUSTRIA

and its successors, assigns and legal representatives (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

LATERAL SINGLE-PHOTON AVALANCHE DIODE AND METHOD OF PRODUCING A LATERAL SINGLE-PHOTON AVALANCHE DIODE

for which an application for United States Letters Patent was filed on September 15, 2015, and identified by United States Application No. 14/777,484;

and the undersigned hereby authorize and request the registered practitioners of McDermott Will & Emery LLP to insert the filing date and application number of said application as necessary;

and the undersigned hereby authorize and request the United States Commissioner for Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, continuations-in-part, reviews and re-examinations thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to said ASSIGNEE, for its interest as ASSIGNEE; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

and the undersigned hereby agree to transfer a like interest, to render all necessary assistance in making application for and obtaining original, extended, divisional, reissued, substituted, renewed, continued, continued-in-part, reviewed and re-examined Letters Patent of the United States, upon request of said ASSIGNEE and without further remuneration, in and to any improvements and applications for patent based thereon, growing out of or related to said invention, and to execute any papers by or for said

Page 1 of 2

DM_US 64133290-1.090922.0430

SIGNED on the dates indicated aside our signatures:

	INVENTORS	DATE SIGNED
1)	Name: Dr. Jordi TEVA	× 15-NOV. 2015
2)	Name: Dr. Frederic ROGER	
3)	Name: Ewald STUECKLER	
4)	Name: Stefan JESSENIG	
5)	Name: Dr. Rainer MINIXHOFER	
6)	Name: Ewald WACHMANN	
7) 20	Name: Dr. Martin SCHREMS	
8)	Name: Dr. Guenther KOPPITSCH	

DM_US 64133290-1.090922.0430

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

(1)	Dr. Jordi TEVA	(5)	Dr. Rainer MINIXHOFER	
(2)	Dr. Frederic ROGER	(6)	Ewald WACHMANN	
(3)	Ewald STUECKLER	(7)	Dr. Martin SCHREMS	
(4)	Stefan JESSENIG	(8)	Dr. Guenther KOPPITSCH	

who have made a certain new and useful invention, hereby sell, assign and transfer unto

ams AG

Sala Discussion (days	
Schloss Premstaetten	
Tobelbader Str. 30	
8141 Unterpremstaetten	
AUSTRIA	

and its successors, assigns and legal representatives (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

LATERAL SINGLE-PHOTON AVALANCHE DIODE AND METHOD OF PRODUCING A LATERAL SINGLE-PHOTON AVALANCHE DIODE

for which an application for United States Letters Patent was filed on September 15, 2015, and identified by United States Application No. 14/777,484;

and the undersigned hereby authorize and request the registered practitioners of McDermott Will & Emery LLP to insert the filing date and application number of said application as necessary;

and the undersigned hereby authorize and request the United States Commissioner for Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, continuations-in-part, reviews and re-examinations thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to said ASSIGNEE, for its interest as ASSIGNEE; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

and the undersigned hereby agree to transfer a like interest, to render all necessary assistance in making application for and obtaining original, extended, divisional, reissued, substituted, renewed, continued, continued-in-part, reviewed and re-examined Letters Patent of the United States, upon request of said ASSIGNEE and without further remuneration, in and to any improvements and applications for patent based thereon, growing out of or related to said invention, and to execute any papers by or for said

Page 1 of 2

DM_US 64133290-1.090922.0430

PATENT

REEL: 038709 FRAME: 0196

FR

SIGNED on the dates indicated aside our signatures:

INVENTORS

DATE SIGNED

1)		
	Name: Dr. Jordi TEVA	
2)	Staderic ROLER	9th November 2015
3)		
~)	Name: Ewald STUECKLER	
4)		
	Name: Stefan JESSENIG	
5)		
	Name: Dr. Rainer MINIXHOFER	
6)		
	Name: Ewald WACHMANN	
7)		
	Name: Dr. Martin SCHREMS	- ·
8)		
	Name: Dr. Guenther KOPPITSCH	

DM_US 64133290-1.090922.0430

Page 2 of 2

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

(1)	Dr. Jordi TEVA	(5)	Dr. Rainer MINIXHOFER
(2)	Dr. Frederic ROGER	(6)	Ewald WACHMANN
(3)	Ewald STUECKLER	(7)	Dr. Martin SCHREMS
(4)	Stefan JESSENIG	(8)	Dr. Guenther KOPPITSCH

who have made a certain new and useful invention, hereby sell, assign and transfer unto

ams AG			
Schloss Premstaetten			
Tobelbader Str. 30			· .
8141 Unterpremstaetten			-
AUSTRIA		•	

and its successors, assigns and legal representatives (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

LATERAL SINGLE-PHOTON AVALANCHE DIODE AND METHOD OF PRODUCING A LATERAL SINGLE-PHOTON AVALANCHE DIODE

for which an application for United States Letters Patent was filed on September 15, 2015, and identified by United States Application No. 14/777,484;

and the undersigned hereby authorize and request the registered practitioners of McDermott Will & Emery LLP to insert the filing date and application number of said application as necessary;

and the undersigned hereby authorize and request the United States Commissioner for Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, continuations-in-part, reviews and re-examinations thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to said ASSIGNEE, for its interest as ASSIGNEE; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

and the undersigned hereby agree to transfer a like interest, to render all necessary assistance in making application for and obtaining original, extended, divisional, reissued, substituted, renewed, continued, continued-in-part, reviewed and re-examined Letters Patent of the United States, upon request of said ASSIGNEE and without further remuneration, in and to any improvements and applications for patent based thereon, growing out of or related to said invention, and to execute any papers by or for said

Page 1 of 2

DM_US 64133290-1.090922.0430

SIGNED on the dates indicated aside our signatures:

	INVENTORS	DATE SIGNED
1)		
	Name: Dr. Jordi TEVA	
2)	ρ \sim ρ	
	Name: Dr. Frederic ROGER	and the first second
3)	-fesald/milling	11/10/2015
	Name: Ewald STUECKLER	
4)		
	Name: Stefan JESSENIG	
5)		
	Name: Dr. Rainer MINIXHOFER	
6)	· · · · · · · · · · · · · · · · · · ·	
	Name: Ewald WACHMANN	
7)		i
	Name: Dr. Martin SCHREMS	
8)		
· .	Name: Dr. Guenther KOPPITSCH	

DM_US 64133290-1.090922.0430

Page 2 of 2

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

(1)	Dr. Jordi TEVA	(5)	Dr. Rainer MINIXHOFER
(2)	Dr. Frederic ROGER	(6)	Ewald WACHMANN
(3)	Ewald STUECKLER	(7)	Dr. Martin SCHREMS
(4)	Stefan JESSENIG	(8)	Dr. Guenther KOPPITSCH

who have made a certain new and useful invention, hereby sell, assign and transfer unto

ams AG

Schloss Premstaetten		
Tobelbader Str. 30		·
8141 Unterpremstaetten	×	
AUSTRIA		

and its successors, assigns and legal representatives (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

LATERAL SINGLE-PHOTON AVALANCHE DIODE AND METHOD OF PRODUCING A LATERAL SINGLE-PHOTON AVALANCHE DIODE

for which an application for United States Letters Patent was filed on September 15, 2015, and identified by United States Application No. 14/777,484;

and the undersigned hereby authorize and request the registered practitioners of McDermott Will & Emery LLP to insert the filing date and application number of said application as necessary;

and the undersigned hereby authorize and request the United States Commissioner for Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, continuations-in-part, reviews and re-examinations thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to said ASSIGNEE, for its interest as ASSIGNEE; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

and the undersigned hereby agree to transfer a like interest, to render all necessary assistance in making application for and obtaining original, extended, divisional, reissued, substituted, renewed, continued, continued-in-part, reviewed and re-examined Letters Patent of the United States, upon request of said ASSIGNEE and without further remuneration, in and to any improvements and applications for patent based thereon, growing out of or related to said invention, and to execute any papers by or for said

Page 1 of 2

DM_US 64133290-1.090922.0430

SIGNED on the dates indicated aside our signatures:

	INVENTORS	DATE SIGNED
1)		
	Name: Dr. Jordi TEVA	
2)		
	Name: Dr. Frederic ROGER	······
3)		
,	Name: Ewald STUECKLER	
4)	bind the	10.11.15
	Name: Stefan JESSENIG	KKK _K
5)		
	Name: Dr. Rainer MINIXHOFER	
6)		
	Name: Ewald WACHMANN	······································
7)		
-	Name: Dr. Martin SCHREMS	
8)	Warktont	10. Nov. 2015
	Name: Dr. Guenther KOPPITSCH	

DM_US 64133290-1.090922.0430

Page 2 of 2

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

(1)	Dr. Jordi TEVA	(5)	Dr. Rainer MINIXHOFER
(2)	Dr. Frederic ROGER	(6)	Ewald WACHMANN
(3)	Ewald STUECKLER	(7)	Dr. Martin SCHREMS
(4)	Stefan JESSENIG	(8)	Dr. Guenther KOPPITSCH

who have made a certain new and useful invention, hereby sell, assign and transfer unto

ams AG

unip i i o		
Schloss Premstaetten		
Tobelbader Str. 30		
8141 Unterpremstaetten		
AUSTRIA		

and its successors, assigns and legal representatives (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

LATERAL SINGLE-PHOTON AVALANCHE DIODE AND METHOD OF PRODUCING A LATERAL SINGLE-PHOTON AVALANCHE DIODE

for which an application for United States Letters Patent was filed on September 15, 2015, and identified by United States Application No. 14/777,484;

and the undersigned hereby authorize and request the registered practitioners of McDermott Will & Emery LLP to insert the filing date and application number of said application as necessary;

and the undersigned hereby authorize and request the United States Commissioner for Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, continuations-in-part, reviews and re-examinations thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to said ASSIGNEE, for its interest as ASSIGNEE; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

and the undersigned hereby agree to transfer a like interest, to render all necessary assistance in making application for and obtaining original, extended, divisional, reissued, substituted, renewed, continued, continued-in-part, reviewed and re-examined Letters Patent of the United States, upon request of said ASSIGNEE and without further remuneration, in and to any improvements and applications for patent based thereon, growing out of or related to said invention, and to execute any papers by or for said

Page 1 of 2

DM_US_64133290-1.090922.0430

SIGNED on the dates indicated aside our signatures:

INVENTORS	DATE SIGNED
1)	
Name: Dr. Jordí TEVA	
2)	
Name: Dr. Frederic ROGER	
3)	
Name: Ewald STUECKLER	
4)	
Name: Stefan JESSENIG	• • • • • • • • • • • • • • • • • • •
5) <u>Lainer Minishold</u> Name: Dr. Rainer MINIXHOFER	10/11/2015
Name: Dr. Rainer MINIXHOFER	
6)	
Name: Ewald WACHMANN	
7)	
Name: Dr. Martin SCHREMS	
8)	
Name: Dr. Guenther KOPPITSCH	

DM_US 64133290-1.090922.0430

Page 2 of 2

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

(1)	Dr. Jordi TEVA	(5)	Dr. Rainer MINIXHOFER	
(2)	Dr. Frederic ROGER	(6)	Ewald WACHMANN	
(3)	Ewald STUECKLER	(7)	Dr. Martin SCHREMS	~~~
(4)	Stefan JESSENIG	(8)	Dr. Guenther KOPPITSCH	

who have made a certain new and useful invention, hereby sell, assign and transfer unto

ams AG

Schloss Premstaetten		
Tobelbader Str. 30		
8141 Unterpremstaetten		
AUSTRIA	· · · · · · · · · · · · · · · · · · ·	

and its successors, assigns and legal representatives (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

LATERAL SINGLE-PHOTON AVALANCHE DIODE AND METHOD OF PRODUCING A LATERAL SINGLE-PHOTON AVALANCHE DIODE

for which an application for United States Letters Patent was filed on September 15, 2015, and identified by United States Application No. 14/777,484;

and the undersigned hereby authorize and request the registered practitioners of McDermott Will & Emery LLP to insert the filing date and application number of said application as necessary;

and the undersigned hereby authorize and request the United States Commissioner for Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, continuations-in-part, reviews and re-examinations thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to said ASSIGNEE, for its interest as ASSIGNEE; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

and the undersigned hereby agree to transfer a like interest, to render all necessary assistance in making application for and obtaining original, extended, divisional, reissued, substituted, renewed, continued, continued-in-part, reviewed and re-examined Letters Patent of the United States, upon request of said ASSIGNEE and without further remuneration, in and to any improvements and applications for patent based thereon, growing out of or related to said invention, and to execute any papers by or for said

Page 1 of 2

DM_US 64133290-1.090922.0430

SIGNED on the dates indicated aside our signatures:

	INVENTORS	DATE SIGNED
1)		
,	Name: Dr. Jordi TEVA	
2)		
	Name: Dr. Frederic ROGER	
3)		
	Name: Ewald STUECKLER	
4)		
	Name: Stefan JESSENIG	
5)		
	Name: Dr. Rainer MINIXHOFER	
6)	Bale Wall	9, November 2015
	Name: Ewald WACHMANN	
7)		
	Name: Dr. Martin SCHREMS	
8)		
	Name: Dr. Guenther KOPPITSCH	

DM_US 64133290-1.090922.0430

Page 2 of 2

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

(1)	Dr. Jordi TEVA	(5)	Dr. Rainer MINIXHOFER
(2)	Dr. Frederic ROGER	(6)	Ewald WACHMANN
(3)	Ewald STUECKLER	(7)	Dr. Martin SCHREMS
(4)	Stefan JESSENIG	(8)	Dr. Guenther KOPPITSCH

who have made a certain new and useful invention, hereby sell, assign and transfer unto

ams AG	-
Schloss Premstaetten	
Tobelbader Str. 30	
8141 Unterpremstaetten	· · · · · ·
AUSTRIA	

and its successors, assigns and legal representatives (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

LATERAL SINGLE-PHOTON AVALANCHE DIODE AND METHOD OF PRODUCING A LATERAL SINGLE-PHOTON AVALANCHE DIODE

for which an application for United States Letters Patent was filed on September 15, 2015, and identified by United States Application No. 14/777,484;

and the undersigned hereby authorize and request the registered practitioners of McDermott Will & Emery LLP to insert the filing date and application number of said application as necessary;

and the undersigned hereby authorize and request the United States Commissioner for Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, continuations-in-part, reviews and re-examinations thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to said ASSIGNEE, for its interest as ASSIGNEE; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

and the undersigned hereby agree to transfer a like interest, to render all necessary assistance in making application for and obtaining original, extended, divisional, reissued, substituted, renewed, continued, continued-in-part, reviewed and re-examined Letters Patent of the United States, upon request of said ASSIGNEE and without further remuneration, in and to any improvements and applications for patent based thereon, growing out of or related to said invention, and to execute any papers by or for said

Page 1 of 2

DM_US 64133290-1.090922.0430

SIGNED on the dates indicated aside our signatures:

	INVENTORS	DATE SIGNED
1)		
	Name: Dr. Jordi TEVA	
2)	Name: Dr. Frederic ROGER	
3)	Name, DI. Frederic KOOBK	
	Name: Ewald STUECKLER	
4)		
	Name: Stefan JESSENIG	
5)		
	Name: Dr. Rainer MINIXHOFER	
6)		
	Name: Ewald WACHMANN	
7)		11/10 2015
	Name: Dr. Martin SCHREMS	
8)		
	Name: Dr. Guenther KOPPITSCH	

DM_US 64133290-1.090922.0430

Page 2 of 2

PATENT REEL: 038709 FRAME: 0207

RECORDED: 05/24/2016