

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2


EPAS ID: PAT2579040

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>CYRILLE LE ROYER</td> <td>09/10/2013</td> </tr> <tr> <td>SORIN CRISTOLOVEANU</td> <td>07/07/2013</td> </tr> <tr> <td>JING WAN</td> <td>07/09/2013</td> </tr> <tr> <td>ALEXANDER ZASLAVSKY</td> <td>07/07/2013</td> </tr> </tbody> </table>		Name	Execution Date	CYRILLE LE ROYER	09/10/2013	SORIN CRISTOLOVEANU	07/07/2013	JING WAN	07/09/2013	ALEXANDER ZASLAVSKY	07/07/2013
Name	Execution Date										
CYRILLE LE ROYER	09/10/2013										
SORIN CRISTOLOVEANU	07/07/2013										
JING WAN	07/09/2013										
ALEXANDER ZASLAVSKY	07/07/2013										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES</td> </tr> <tr> <td>Street Address:</td> <td>25 RUE LEBLANC, BATIMENT "LE PONANT D"</td> </tr> <tr> <td>City:</td> <td>PARIS</td> </tr> <tr> <td>State/Country:</td> <td>FRANCE</td> </tr> <tr> <td>Postal Code:</td> <td>75015</td> </tr> </table>		Name:	COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES	Street Address:	25 RUE LEBLANC, BATIMENT "LE PONANT D"	City:	PARIS	State/Country:	FRANCE	Postal Code:	75015
Name:	COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES										
Street Address:	25 RUE LEBLANC, BATIMENT "LE PONANT D"										
City:	PARIS										
State/Country:	FRANCE										
Postal Code:	75015										
<table border="1"> <tr> <td>Name:</td> <td>CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE</td> </tr> <tr> <td>Street Address:</td> <td>3, RUE MICHEL-ANGE</td> </tr> <tr> <td>City:</td> <td>PARIS CEDEX 16</td> </tr> <tr> <td>State/Country:</td> <td>FRANCE</td> </tr> <tr> <td>Postal Code:</td> <td>75794</td> </tr> </table>		Name:	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE	Street Address:	3, RUE MICHEL-ANGE	City:	PARIS CEDEX 16	State/Country:	FRANCE	Postal Code:	75794
Name:	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE										
Street Address:	3, RUE MICHEL-ANGE										
City:	PARIS CEDEX 16										
State/Country:	FRANCE										
Postal Code:	75794										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13936502</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13936502						
Property Type	Number										
Application Number:	13936502										
CORRESPONDENCE DATA											
Fax Number:	(703)413-2220										
Phone:	(703) 413-3000										
Email:	mkassaye@oblon.com										
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>											
Correspondent Name:	OBLON, SPIVAK, ET AL.										
Address Line 1:	1940 DUKE STREET										

OP \$40.00 13936502

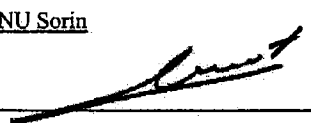
Address Line 4: ALEXANDRIA, VIRGINIA 22314	
ATTORNEY DOCKET NUMBER:	418682US41X
NAME OF SUBMITTER:	MESFIN KASSAYE
Signature:	/Mesfin Kassaye/
Date:	10/16/2013
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 4 source=418682US41X ASSIGNMENT#page1.tif source=418682US41X ASSIGNMENT#page2.tif source=418682US41X ASSIGNMENT#page3.tif source=418682US41X ASSIGNMENT#page4.tif	

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

Title of Invention	TUNNEL TRANSISTOR WITH HIGH CURRENT BY BIPOLAR AMPLIFICATION
<p>As the below named inventor, I hereby declare that:</p> <p>This declaration <input type="checkbox"/> The attached application, or is directed to: <input checked="" type="checkbox"/> United States application or PCT international application number 13/936,502 filed on July 8, 2013</p> <p>The above-identified application was made or authorized to be made by me.</p> <p>I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.</p> <p><u>WHEREAS, Commissariat à l'énergie atomique et aux énergies alternatives, CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE</u> (hereinafter referred to as "ASSIGNEE") having a place of business at: <u>25 Rue Leblanc Bâtiment "Le Ponant D" 75015 PARIS FRANCE - 3, Rue Michel-Ange 75794 PARIS CEDEX 16 FRANCE</u> 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;</p> <p>NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.</p> <p>I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.</p> <p>Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.</p> <p>I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.</p>	
LEGAL NAME OF INVENTOR	
Inventor: <u>LE ROYER Cyrille</u>	Date:
Signature: 	September 10, 2013

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

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

Title of Invention	TUNNEL TRANSISTOR WITH HIGH CURRENT BY BIPOLAR AMPLIFICATION
<p>As the below named inventor, I hereby declare that:</p> <p>This declaration <input type="checkbox"/> The attached application, or is directed to: <input checked="" type="checkbox"/> United States application or PCT international application number 13/936,502 filed on July 8, 2013</p> <p>The above-identified application was made or authorized to be made by me.</p> <p>I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.</p> <p><u>WHEREAS, Commissariat à l'énergie atomique et aux énergies alternatives, CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE</u></p> <p>(hereinafter referred to as "ASSIGNEE") having a place of business at: <u>25 Rue Leblanc Bâtiment "Le Ponant D" 75015 PARIS FRANCE - 3, Rue Michel-Ange 75794 PARIS CEDEX 16 FRANCE</u> 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;</p> <p>NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.</p> <p>I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.</p> <p>Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.</p> <p>I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.</p>	
LEGAL NAME OF INVENTOR	
Inventor: <u>CRISTOLOVEANU Sorin</u>	
<p align="right">07-07-2013 Date:</p> <p>Signature: </p>	

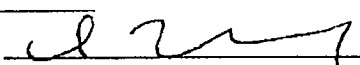
OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

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

Title of Invention	TUNNEL TRANSISTOR WITH HIGH CURRENT BY BIPOLAR AMPLIFICATION
As the below named inventor, I hereby declare that:	
This declaration <input type="checkbox"/> The attached application, or	
is directed to: <input checked="" type="checkbox"/> United States application or PCT international application number 13/936,502 filed on July 8, 2013	
The above-identified 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, <u>Commissariat à l'énergie atomique et aux énergies alternatives, CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE</u>	
(hereinafter referred to as "ASSIGNEE") having a place of business at: <u>25 Rue Leblanc Bâtiment "Le Ponant D" 75015 PARIS FRANCE - 3, Rue Michel-Ange 75794 PARIS CEDEX 16 FRANCE</u> 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;	
NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.	
I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.	
Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.	
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.	
LEGAL NAME OF INVENTOR	
Inventor: <u>WAN Jing</u>	Date: <u>07/09/2013</u>
Signature: <u>Jing wan</u>	

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

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

Title of Invention	TUNNEL TRANSISTOR WITH HIGH CURRENT BY BIPOLAR AMPLIFICATION
As the below named inventor, I hereby declare that:	
This declaration <input type="checkbox"/> The attached application, or	
is directed to: <input checked="" type="checkbox"/> United States application or PCT international application number 13/936,502 filed on July 8, 2013	
The above-identified 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, Commissariat à l'énergie atomique et aux énergies alternatives, CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE	
(hereinafter referred to as "ASSIGNEE") having a place of business at: 25 Rue Leblanc Bâtiment "Le Ponant D" 75015 PARIS FRANCE - 3, Rue Michel-Ange 75794 PARIS CEDEX 16 FRANCE 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;	
NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.	
I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.	
Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.	
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.	
LEGAL NAME OF INVENTOR	
Inventor: ZASLAVSKY Alexander	Date: July 7, 2013
Signature: 	

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314