

## PATENT ASSIGNMENT

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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>Elsa Marisa DOS SANTOS ANTUNES</td> <td>04/02/2013</td> </tr> <tr> <td>Joao Manuel CALADO DA SILVA</td> <td>04/02/2013</td> </tr> <tr> <td>Ana Lucia COSTA LAGOA</td> <td>04/02/2013</td> </tr> </tbody> </table>		Name	Execution Date	Elsa Marisa DOS SANTOS ANTUNES	04/02/2013	Joao Manuel CALADO DA SILVA	04/02/2013	Ana Lucia COSTA LAGOA	04/02/2013		
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Innovnano - Materiais Avancados, S.A.</td> </tr> <tr> <td>Street Address:</td> <td>Rua Edmundo Manuel da Silva, no 34, Apartado 102</td> </tr> <tr> <td>City:</td> <td>Aljustrel</td> </tr> <tr> <td>State/Country:</td> <td>PORTUGAL</td> </tr> <tr> <td>Postal Code:</td> <td>P-7600-095</td> </tr> </table>		Name:	Innovnano - Materiais Avancados, S.A.	Street Address:	Rua Edmundo Manuel da Silva, no 34, Apartado 102	City:	Aljustrel	State/Country:	PORTUGAL	Postal Code:	P-7600-095
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
Fax Number: 2123910525 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 2122780400 Email: jwhite@cooperdunham.com Correspondent Name: Cooper & Dunham LLP Address Line 1: 30 Rockefeller Plaza Address Line 4: New York, NEW YORK 10112											
ATTORNEY DOCKET NUMBER:	5126/85052/JPW/GC										
NAME OF SUBMITTER:	Regina Cheng										
Signature:	5126-85052/GC/for John P White										
Date:	05/15/2013										
Total Attachments: 3 source=130515_5126_85052_Assignment_GC_Page_1#page1.tif source=130515_5126_85052_Assignment_GC_Page_2#page1.tif source=130515_5126_85052_Assignment_GC_Page_3#page1.tif											

CH \$40.00 13879579

**Assignment**

*In consideration of One Dollar (\$1.00), and other good and valuable considerations, the receipt of which is hereby acknowledged, we, the undersigned,*

Elsa Marisa DOS SANTOS ANTUNES of Rua Heliodoro Salgado, nº 23, P-7600-100 Aljustrel, Portugal;

João Manuel CALADO DA SILVA of Rua Edmundo Manuel da Silva, nº 34, P-7600-095 Aljustrel, Portugal; and

Ana Lúcia COSTA LAGOA of Rua Alexandre Herculano, lote 8, Portela da Azóia, P-2690-248 Santa Iria de Azóia, Portugal,

*Hereby sell, assign and transfer to Innovnano – Materiais Avançados, S.A., a corporation of Portugal, having a place of business at Rua Edmundo Manuel da Silva, nº 34, Apartado 102, P-7600-095 Aljustrel, Portugal, and its successors, assigns and legal representatives, the entire right, title and interest for all countries, in and to any and all inventions which are disclosed and claimed, and any and all inventions which are disclosed but not claimed, in the application for United States Patent, which has been executed by the undersigned on*

April 2, 2013; April 2, 2013; and April 2, 2013 *and is entitled*

**PROCESS FOR NANOMATERIAL SYNTHESIS FROM  
THE PREPARATION AND DETONATION OF AN EMULSION,  
PRODUCTS AND EMULSIONS THEREOF**

(U.S. Serial No. 13/879,579, § 371 national stage of PCT International Application No. PCT/IB2011/054567, filed October 14, 2011, claiming priority of Portuguese Patent Application No. 105339, filed October 15, 2010)  
*and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for U.S. Letters Patent or other related property rights in any and all foreign countries which have been or shall be filed on any of said inventions disclosed in said application; and in and to all original and reissued patents or related foreign documents which have been or shall be issued on said inventions;*

*Authorize and request the Commissioner for Patents of the United States to issue to said Assignee, the corporation above named, its successors, assigns and legal representatives, in accordance with this assignment, any and all United States Letters Patent on said inventions or any of them disclosed in said application;*

JPW Rev. April 19, 2007

*Agree that said Assignee may apply for and receive foreign Letters Patent or rights of any other kind for said inventions, or any of them; and may claim, in applications for said foreign Letters Patent or other rights, the priority of the aforesaid United States patent application under the provisions of the International Convention of 1883 and later modifications thereof, under the Patent Cooperation Treaty, under the European Patent Convention or under any other available international agreement; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned or the undersigned's executors or administrators will, for the United States and all foreign countries, execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications or other documents on any and all said inventions; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives, all facts known and documents available to the undersigned relating to said inventions and the history thereof; testify in all legal proceedings; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said inventions and for vesting title to said inventions and all applications for patents or related foreign rights and all patents on said inventions, in said Assignee, its successors, assigns and legal representatives; and*

*Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.*

Date: 02/04/2013  
 Witness: LEONOR SAMPAIO SANTOS (signature)

LEONOR SAMPAIO SANTOS (printed name)  
AV 24 DE JULHO, N.º 24, 2.º (address)  
1200-480 LISBOA  
PORTUGAL

Elsa Marisa dos Santos Antunes  
 Elsa Marisa DOS SANTOS ANTUNES

Date: 02/04/2013  
Witness: LEONOR SAMPAIO SANTO [signature]  
LEONOR SAMPAIO SANTO [printed name]  
AV. 24 DE JULHO, Nº 24, 2º [address]  
1200-480 LISBOA  
PORTUGAL

João Manuel Calado da Silva [LS]  
João Manuel CALADO DA SILVA

Date: 02/04/2013  
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Ana Lúcia Costa Lagoa [LS]  
Ana Lúcia COSTA LAGOA