

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Zhiyong Xu	08/09/2010
Bin Yu	08/09/2010
Min Lin	08/09/2010
Pierre Bonvallat	08/30/2010
Ahmed M. Ghazy	09/22/2010
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	3M Innovative Properties Company
<b>Street Address:</b>	P.O. Box 33427
<b>City:</b>	St. Paul
<b>State/Country:</b>	MINNESOTA
<b>Postal Code:</b>	55133-3427
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12934414
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(651)736-3833
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Phone:</b>	651-733-1500
<b>Email:</b>	ttcollier@mmm.com
<b>Correspondent Name:</b>	3M INNOVATIVE PROPERTIES COMPANY
<b>Address Line 1:</b>	PO BOX 33427
<b>Address Line 4:</b>	ST. PAUL, MINNESOTA 55133-3427
<b>ATTORNEY DOCKET NUMBER:</b>	63889US006
<b>NAME OF SUBMITTER:</b>	Theresa T. Collier

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**Total Attachments: 9**

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**ASSIGNMENT OF APPLICATION**

Whereas I/we, the below named inventor(s), with residence and citizenship as indicated below, have made an invention in

EMBEDDED COMMUNICATION ENCLOSURE
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- for which an application for a United States Patent is being filed contemporaneously herewith;
- for which an application for a United States Patent identified as U.S. Patent Application No. ; was filed on
- which application is identified as PCT International Patent Application No. PCT/US2009/038202; filed March 25, 2009;

Now, therefore, for good and valuable consideration, receipt of which is acknowledged, I/we have agreed to assign and transfer and do hereby assign and transfer unto the 3M INNOVATIVE PROPERTIES COMPANY, a wholly-owned subsidiary of 3M COMPANY, and a corporation of Delaware, having its principal office at Saint Paul, Minnesota, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any division or continuation (in whole or in part) of said application, and in and to any and all improvements in the said invention made by me or made jointly with others (provided any such improvement is made during, or within one year after the termination of, my employment with 3M COMPANY and any of its existing or future subsidiaries), and in and to any and all Letters Patent, reexaminations, reissues, or extensions thereof, of the United States of America and countries foreign thereto (including the right to apply for Letters Patent, Utility Models, or Inventors' Certificates in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), which have been or may be granted thereon or on any divisional, continuation (in whole or in part), renewal, reexamination, reissue, or other or further application based in whole or in part upon the said invention or improvements thereon, to be held and enjoyed as fully and exclusively as they would have been by me/us had this assignment and transfer not been made;

I/We do further agree for myself/ourselves and for my/our heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as I/we lawfully may, that may be deemed necessary by said Company, its successors, assigns, and nominees, fully to secure its right, title, and interest as aforesaid and to obtain or maintain Letters Patent, Utility Models, or Inventors' Certificates in any and all countries; and

I/We do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of the said applications, to said 3M Innovative Properties Company, as the assignee of the entire right, title, and interest therein.

In witness whereof, I/we have signed my/our name(s) on the day and year set forth below.

Given Name (first and middle [if any]): ZHIYONG		Family Name or Surname: XU	
Inventor's Signature: <i>ZHIYONG Xu</i>		Date: <i>Aug, 9th, 2010</i>	
Residence: Shanghai	Country: China	Citizenship: People's Republic of China	
<i>Peiyong Xiong</i> Witness		<i>Shiwen Chen</i> Witness	

Given Name (first and middle [if any]): BIN		Family Name or Surname: YU	
Inventor's Signature: <i>Bin Yu</i>		Date: <i>August 9, 2010</i>	
Residence: Shanghai	Country: China	Citizenship: People's Republic of China	
<i>Peiyong Xiong</i> Witness		<i>Shiwen Chen</i> Witness	

Given Name (first and middle [if any]): MIN		Family Name or Surname: LIN	
Inventor's Signature: <i>Min Lin</i>		Date: <i>August 9, 2010</i>	
Residence: Shanghai	Country: China	Citizenship: People's Republic of China	
<i>Peiyong Xiong</i> Witness		<i>Shiwen Chen</i> Witness	

<b>NAME OF JOINT INVENTOR, IF ANY:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor.
Given Name (first and middle [if any]): PIERRE		Family Name or Surname: BONVALLAT
Inventor's Signature:		Date:
Residence: Cluses	Country: France	Citizenship: France
Mailing Address: P.O. Box 33427, St. Paul, Minnesota 55133-3427, USA		

<b>NAME OF JOINT INVENTOR, IF ANY:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor.
Given Name (first and middle [if any]): AHMED M.		Family Name or Surname: GHAZY
Inventor's Signature:		Date:
Residence: Dubai	Country: United Arab Emirates	Citizenship: United Arab Emirates
Mailing Address: P.O. Box 33427, St. Paul, Minnesota 55133-3427, USA		

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- which application is identified as PCT International Patent Application No. **PCT/US2009/038202**; filed **March 25, 2009**;

Now, therefore, for good and valuable consideration, receipt of which is acknowledged, I/we have agreed to assign and transfer and do hereby assign and transfer unto the 3M INNOVATIVE PROPERTIES COMPANY, a wholly-owned subsidiary of 3M COMPANY, and a corporation of Delaware, having its principal office at Saint Paul, Minnesota, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any division or continuation (in whole or in part) of said application, and in and to any and all improvements in the said invention made by me or made jointly with others (provided any such improvement is made during, or within one year after the termination of, my employment with 3M COMPANY and any of its existing or future subsidiaries), and in and to any and all Letters Patent, reexaminations, reissues, or extensions thereof, of the United States of America and countries foreign thereto (including the right to apply for Letters Patent, Utility Models, or Inventors' Certificates in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), which have been or may be granted thereon or on any divisional, continuation (in whole or in part), renewal, reexamination, reissue, or other or further application based in whole or in part upon the said invention or improvements thereon, to be held and enjoyed as fully and exclusively as they would have been by me/us had this assignment and transfer not been made;

I/We do further agree for myself/ourselves and for my/our heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as I/we lawfully may, that may be deemed necessary by said Company, its successors, assigns, and nominees, fully to secure its right, title, and interest as aforesaid and to obtain or maintain Letters Patent, Utility Models, or Inventors' Certificates in any and all countries; and

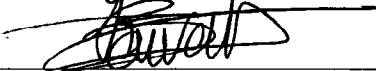
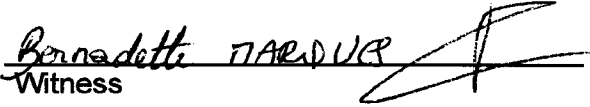
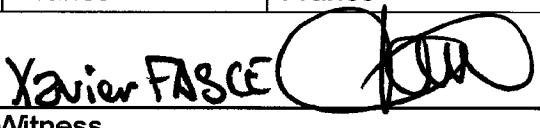
I/We do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of the said applications, to said 3M Innovative Properties Company, as the assignee of the entire right, title, and interest therein.

In witness whereof, I/we have signed my/our name(s) on the day and year set forth below.

Given Name (first and middle [if any]): ZHIYONG		Family Name or Surname: XU	
Inventor's Signature:		Date:	
Residence: Shanghai	Country: China	Citizenship: People's Republic of China	
_____ Witness		_____ Witness	

Given Name (first and middle [if any]): BIN		Family Name or Surname: YU	
Inventor's Signature:		Date:	
Residence: Shanghai	Country: China	Citizenship: People's Republic of China	
_____ Witness		_____ Witness	

Given Name (first and middle [if any]): MIN		Family Name or Surname: LIN	
Inventor's Signature:		Date:	
Residence: Shanghai	Country: China	Citizenship: People's Republic of China	
_____ Witness		_____ Witness	

Given Name (first and middle [if any]): PIERRE		Family Name or Surname: BONVALLAT	
Inventor's Signature: 		Date: 2010 August 30th	
Residence: Cluses		Country: France	Citizenship: France
 Bernadette NAROU Witness		 Xavier FASCE Witness	

Given Name (first and middle [if any]): AHMED M.		Family Name or Surname: GHAZY	
Inventor's Signature:		Date:	
Residence: Dubai		Country: United Arab Emirates	Citizenship: United Arab Emirates
_____ Witness		_____ Witness	



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I/We do further agree for myself/ourselves and for my/our heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as I/we lawfully may, that may be deemed necessary by said Company, its successors, assigns, and nominees, fully to secure its right, title, and interest as aforesaid and to obtain or maintain Letters Patent, Utility Models, or Inventors' Certificates in any and all countries; and

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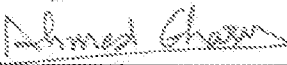
In witness whereof, I/we have signed my/our name(s) on the day and year set forth below.

Given Name (first and middle [if any]): ZHIYONG		Family Name or Surname: XU	
Inventor's Signature:		Date:	
Residence: Shanghai	Country: China	Citizenship: People's Republic of China	
_____ Witness		_____ Witness	

Given Name (first and middle [if any]): BIN		Family Name or Surname: YU	
Inventor's Signature:		Date:	
Residence: Shanghai	Country: China	Citizenship: People's Republic of China	
_____ Witness		_____ Witness	

Given Name (first and middle [if any]): MIN		Family Name or Surname: LIN	
Inventor's Signature:		Date:	
Residence: Shanghai	Country: China	Citizenship: People's Republic of China	
_____ Witness		_____ Witness	

Given Name (first and middle [if any]): PIERRE		Family Name or Surname: BONVALLAT	
Inventor's Signature:		Date:	
Residence: Cluses		Country: France	Citizenship: France
_____ Witness		_____ Witness	

Given Name (first and middle [if any]): AHMED M.		Family Name or Surname: GHAZY	
Inventor's Signature: 		Date: 22nd Sept 2010	
Residence: Dubai		Country: United Arab Emirates	Citizenship: United Arab Emirates
_____ Witness		_____ Witness	