			Case I	No.: 60264US010
REC	ORDATION F PATEN			
To: The Director of the U.S. Patent and	Frademark Office:			
Please record the attached document(s)	or the new address	s(es) belov	w.	
1. Name of conveying party(ies)	Execution Date(s	<u>):</u>	2. Name and address of rece	iving party(ies):
Metral, Guy	May 10, 2007		3M Innovative Properties Company	
Perrier, Gaetan	May 4, 2007		P.O. Box 33427 St. Paul, Minnesota 55133	_3427
Bonvallat, Pierre	April 19, 2007			V-181
Additional name(s) of conveying party(ies) attached?			Additional name(s) of receiving pa ☐ Yes ☒ No	rty(ies) attached?
3. Nature of conveyance: ☐ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Joint Research Agreement ☐ Government Interest Assignment ☐ Other:				
4. Application or patent number(s)	☐ This	document	t is being filed together with a nev	v application.
A. Patent Application No(s).		B. Pa	B. Patent No(s).	
11 / 2				
11/719504		_	_	
Ad	Iditional Numbers At	tached? L	_ Yes ⊠ No	,,
5. Name and address to whom correspo		6. Total	number of applications	
concerning document should be mail	ed:	and p	oatents involved:	1
Name: Janet A. Kling Office of Intellectual Property Counsel 3M Innovative Properties Company Phone Number: 512-984-5364				
		7. Total fee (37 CFR §§ 1.21(h) & 3.41): \$40.00		
Fax Number: 651-736-3833			Enclosed Authorized to be charged to deposit	account
32692			Authorized to be charged to deposit	accourt
Customer Number		8. Payment Information:		
		Deposit Account Number: 13-3723		
		Autho	orized User Name: Janet A. Kli	ng
9. Signature:				
Printed Name of Attorney/Agent: Janet A. Kling	1 JAKT		<u> </u>	· –
Registration No.: 53,142 Signature U Date				
Pages: Total number of pages including C	OVER SHEET, attac	chments, ai	ind documents	5

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:

Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

Case No.: 60264US010

ASSIGNMENT OF APPLICATION

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

TELECOMMUNICATIONS MODULE, COMBINATION OF A TELECOMMUNICATIONS MODULE
AND AT LEAST ONE SPLITTER CIRCUIT, AND ASSEMBLY OF AT LEAST TWO
TELECOMMUNICATIONS MODULES

\boxtimes	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;
\boxtimes	which application is identified as PCT International Patent Application No. PCT/US2005/041103; filed
	November 15, 2005;

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]): GUY	Family Name or Surname: METRAL
Inventor's Signature:	Date: Ol -10-05-2007.
Residence: Cluses	Country: Citizenship: France France
Witness	Remadette MARQUES

Assignment

Page 1 of 2 3M Innovative Properties Company, P. O. Box 33427, St. Paul, MN 55133-3427

Case No.: 60264US010

Given Name (first and middle [if any]): GAETAN	PERRIER	name:
Inventor's Signature:	_ Date: 04/05/20	07
Residence:	Country:	Citizenship:
Cluses	France	France
Witness	Belus del Wilness	te MARQUES
Given Name (first and middle [if any]): PIERRE	Family Name or Surr BONVALLAT	name:
Inventor's Signature:	Date:	
Residence:	Country:	Citizenship:
Shanghai	China	France
Witness	Witness	

Assignment

Page 2 of 2 3M Innovative Properties Company, P. O. Box 33427, St. Paul, MN 55133-3427 Case No.: 60264US010

Case No.: 60264US010

ASSIGNMENT OF APPLICATION

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

TELECOMMUNICATIONS MODULE, COMBINATION OF A TELECOMMUNICATIONS MODULE
AND AT LEAST ONE SPLITTER CIRCUIT, AND ASSEMBLY OF AT LEAST TWO
TELECOMMUNICATIONS MODULES

	November 15, 2005
\times	which application is identified as PCT International Patent Application No. PCT/US2005/041103; filed
	for which an application for a United States Patent identified as U.S. Patent Application No.; was filed on
\boxtimes	for which an application for a United States Patent is being filed contemporaneously herewith;

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]): GUY	Family Name or Surname: METRAL	
Inventor's Signature:	Date:	
Residence: Cluses	Country: France	Citizenship: France
Witness	Witness	

Assignment

Page 1 of 2 3M Innovative Properties Company, P. O. Box 33427, St. Paul, MN 55133-3427

Case No.: 60264US010

GAETAN	PERRIER
Inventor's Signature:	Date:
Residence:	Country: Citizenship:
Cluses	France France
Witness	Witness
Given Name (first and middle [if any]): PIERRE	Family Name or Surname: BONVALLAT
Inventor's Signature:	Date: 19 APRZL 2007
Residence: Shanghai	Country: Citizenship: China France
Cardy Pan Wilness	Joseph Zhou Witness

Assignment

Page 2 of 2 3M Innovative Properties Company, P. O. Box 33427, St. Paul, MN 55133-3427

Case No.: 60264US010