700359417

To: The Director of the U.S. Patent and Trademark Office: Please record the attached document(s) or the new address(es) below. 1. Name of conveying party(les)				Case N	o.: 60973US007
Please record the attached document(s) or the new address(es) below. 1. Name of conveying party(les) SCHOENE, Stefan	REC				
1. Name of conveying party(ies) SCHOENE, Stefan METRAL, Guy MUTTEN, Roland SCHNUSENBERG, Juergen Additional name(s) of conveying party(ies) attached? □ Yes □ No 3. Nature of conveyance: □ Assignment □ Joint Research Agreement □ Join	To: The Director of the U.S. Patent and 1	Trademark Office:			
SCHOENE, Stefan METRAL, Guy NUITEN, Roland SCHNUSENBERG, Juergen January 11, 2008 January 15, 2008 SCHNUSENBERG, Juergen January 11, 2008 Additional name(s) of conveying party(les) attached? Yes	Please record the attached document(s)	or the new addres	s(es) belov	v .	
METRAL, Guy NUITEN, Roland SCHNUSENBERG, Juergen Additional name(s) of conveying party(ies) attached? Additional name(s) of receiving party(ies) attached? Additional name(s) of receiving party(ies) attached? Additional name(s) of receiving party(ies) attached? Yes ☑ No Additional name(s) of receiving party(ies) attached? Yes ☑ No Additional name(s) of receiving party(ies) attached? Yes ☑ No B. Patent No(s). B. Patent No(s). S. Name and address to whom correspondence concerning document should be mailed: Name: John A. Burtis Office of intellectual Property Counsel 3M Innovative Properties Company Phone Number: 512-984-4672 Fax Number: 651-735-3933 32692 Customer Number Customer Number S. Signature: Printed Name of Attorney/Agent: John A. Burtis Signature Printed Name of Attorney/Agent: John A. Burtis Signature Printed Name of Attorney/Agent: John A. Burtis Signature Printed Name of Attorney/Agent: John A. Burtis	Name of conveying party(ies)	Execution Date(s	<u>s):</u>	2. Name and address of receive	ving party(ies):
Additional name(s) of conveying party(les) attached? Yes No Nature of conveyance: Assignment Change of Name Change of Name Joint Research Agreement Government Interest Assignment General Diotin Research Agreement Government Interest Assignment Other: 4. Application or patent number(s) This document is being filed together with a new application. A. Patent Application No(s). 11/997966 Additional Numbers Attached? Yes No Name and address to whom correspondence concerning document should be mailed: Name: John A. Burtis Office of Intellectual Properties Company Phone Number: 512-984-4672 Fax Number: 512-984-4672 Fax Number: 512-984-4672 Fax Number: 512-984-4672 Fax Number: 512-984-4672 Authorized to be charged to deposit account 3. Payment Information: Deposit Account Number: 13-3723 Authorized User Name: John A. Burtis 9. Signature: Printed Name of Attorney/Agent: John A. Burtis Date Date	METRAL, Guy NUITEN, Roland	January 25, 2008 January 15, 2008		P.O. Box 33427 St. Paul, Minnesota 55133-	3427
Security Agreement		attached?			y(les) attached?
A. Patent Application No(s). 11/997966 Additional Numbers Attached?	□ Assignment	ange of Name	ssignment		
Additional Numbers Attached?	4. Application or patent number(s)	☐ This	document	is being filed together with a new	application.
Additional Numbers Attached? Yes No 5. Name and address to whom correspondence concerning document should be mailed: Name: John A. Burtis Office of Intellectual Property Counsel 3M Innovative Properties Company Phone Number: 512-984-4672 Fax Number: 651-736-3833 32692 Customer Number 8. Payment Information: Deposit Account Number: 13-3723 Authorized User Name: John A. Burtis 9. Signature: Printed Name of Attorney/Agent: John A. Burtis Registration No.: 39,924	A. Patent Application No(s).		B. P:	atent No(s).	
Additional Numbers Attached? Yes No 5. Name and address to whom correspondence concerning document should be mailed: Name: John A. Burtis Office of Intellectual Property Counsel 3M Innovative Properties Company Phone Number: 512-984-4672 Fax Number: 651-736-3833 32692 Customer Number 8. Payment Information: Deposit Account Number: 13-3723 Authorized User Name: John A. Burtis 9. Signature: Printed Name of Attorney/Agent: John A. Burtis Registration No.: 39,924	11/997966				
Authorized User Name: John A. Burtis Office of Intellectual Property Counsel 3M Innovative Properties Company Phone Number: 512-984-4672 Fax Number: 651-736-3833 32692 Customer Number 9. Signature: Printed Name of Attorney/Agent: John A. Burtis Registration No.: 39,924 And patents involved: 1 And patents involved: 1 7. Total fee (37 CFR §§ 1.21(h) & 3.41): \$40.00 □ Enclosed □ Authorized to be charged to deposit account 8. Payment Information: Deposit Account Number: 13-3723 Authorized User Name: John A. Burtis	·	lditional Numbers A	 ttached? [☐ Yes ☑ No	
Office of Intellectual Property Counsel 3M Innovative Properties Company Phone Number: 512-984-4672 Fax Number: 651-736-3833 32692 Customer Number 8. Payment Information: Deposit Account Number: 13-3723 Authorized User Name: John A. Burtis 9. Signature: Printed Name of Attorney/Agent: John A. Burtis Registration No.: 39,924 7. Total fee (37 CFR §§ 1.21(h) & 3.41): \$40.00 □ Enclosed □ Authorized to be charged to deposit account 8. Payment Information: Deposit Account Number: 13-3723 Authorized User Name: John A. Burtis			ļ		
Fax Number: 651-736-3833 32692 Customer Number 9. Signature: Printed Name of Attorney/Agent: John A. Burtis Registration No.: 39,924 7. Total lee (37 CFR §§ 1.21(fl) & 3.41). \$40.00 Authorized to be charged to deposit account 8. Payment Information: Deposit Account Number: 13-3723 Authorized User Name: John A. Burtis	Office of Intellectual Property Cour 3M Innovative Properties Company				
8. Payment Information: Deposit Account Number: 13-3723 Authorized User Name: John A. Burtis 9. Signature: Printed Name of Attorney/Agent: John A. Burtis Registration No.: 39,924 Signature 8. Payment Information: Deposit Account Number: 13-3723 Authorized User Name: John A. Burtis	Phone Number: 512-984-4672 Fax Number: 651-736-3833		☐ Enclosed		
Deposit Account Number: 13-3723 Authorized User Name: John A. Burtis 9. Signature: Printed Name of Attorney/Agent: John A. Burtis Registration No.: 39,924 Deposit Account Number: 13-3723 February 5, 2008 Date	32692		2 Paym	ant Information:	
9. Signature: Printed Name of Attorney/Agent: John A. Burtis Registration No.: 39,924 Authorized User Name: John A. Burtis February 5, 2008 Date	Customer Number		-		
Printed Name of Attorney/Agent: John A. Burtis Registration No.: 39,924 February 5, 2008 Date			_		tis
John A. Burtis Registration No.: 39,924 Signature Tebraray 5, 2008 Date	[1		<u> </u>	
Registration No.: 39,924 Signature Date	John A. Burtis				ාපි
	110910114401111011		chments a		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

PATENT REEL: 020452 FRAME: 0843 2006:

Case No.: 60973US007

ASSIGNMENT OF APPLICATION

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

A CONNECTOR IN THE FIELD OF TELECOMMUNICATIONS AND A COMBINATION OF AT LEAST TWO CONNECTORS In the forwhich an application for a United States Patent is being filed contemporaneously herewith; In the forwhich an application for a United States Patent identified as U.S. Patent Application No.; was filed on; In the which application is identified as PCT International Patent Application No. PCT/US2006/030879; filed August 8,

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]): Stefan	Family Name or Surname: SCHOENE	
Inventor's Signature:	Date: 11. Q1, 21	200 g
Residence:	Country:	Citizenship:
Neuss, Germany	Germany	Germany
Auja Stau-Bot	Petra Vally Witness	

Assignment

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

Case No.: 60973US007

PATENT REEL: 020452 FRAME: 0844

Given Name (first and middle [if any]):	Family Name or Surname:	
Guy	METRAL	
Inventor's Signature:	. Date:	
Residence:	Country:	Citizenship:
Cluses, France	France	France
Witness	Witness	
Given Name (first and middle [if any]): Roland	Family Name or Surname: NUITEN	
Inventor's Signature:	Date: 15.01.2008	
Residence: Neuss, Germany	Country: Germany	Citizenship: Netherlands
Miness Stale for F	Petra Valle	laaQ
Given Name (first and middle [if any]): Juergen	Family Name or Surname: SCHNUSENBERG	
Inventor's Signature:	Date: 11.01,200	3 6 °
Residence: Neuss, Germany	Country: Germany	Citizenship: Germany
Acja StainBot Wilness 1	Pota Well_	laaQ

Assignment

Page 2 of 2 3M Innovative Properties Company, P. O. Box 33427, St. Paul, MN 55133-3427 Case No.: 60973US007

Case No.: 60973US007

ASSIGNMENT OF APPLICATION

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

A CONNECTOR IN THE FIELD OF TELECOMMUNICATIONS AND A COMBINATION OF AT LEAST TWO CONNECTORS
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/US2006/030879; filed August 8, 2006;

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]): Stefan	Family Name or Surname: SCHOENE	- ///
Inventor's Signature:	Date:	
Residence: Neuss, Germany	Country: Germany	Citizenship: Germany
Witness	Witness	

Assignment

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

> PATENT REEL: 020452 FRAME: 0846

Case No.: 60973US007

Given Name (first and middle [if any]): Guy	Family Name or Surname: METRAL
Inventor's Signature:	Date: 25.01.2008.
Residence: Cluses, France	Country: Citizenship: France France
aita	(House)
Witness	Witness
Given Name (first and middle [if any]):	Family Name or Surname:
Roland	NUITEN
Inventor's Signature:	Date:
Residence:	Country: Citizenship:
Neuss, Germany	Germany Netherlands
Witness	Witness
Given Name (first and middle [if any]): Juergen	Family Name or Surname: SCHNUSENBERG
Inventor's Signature:	Date:
Residence:	Country: Citizenship:
Neuss, Germany	Germany Germany
	
Witness	Witness

Assignment

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

> PATENT REEL: 020452 FRAME: 0847

Case No.: 60973US007

FACSIMILE

Date: February 5, 2008 Number of Pages (including cover sheet) 7

Office of Intellectual Property Counsel
3M Innovative Properties Company
PO Box 33427
St. Paul, MN 55133-3427 USA

THE INFORMATION CONTAINED IN THIS FACSIMILE TRANSMISSION MAY CONTAIN CONFIDENTIAL OR LEGALLY PRIVILEGED INFORMATION INTENDED ONLY FOR THE PERSON OR ENTITY NAMED BELOW. If you are not the intended recipient, please do not read, use, disclose, distribute or copy this transmission. If this transmission was received in error, please immediately notify me by telephone directly at the number indicated below. Thank you.

To: United States Patent and Trademark Office Assignment Recordation Services

Phone: 571-272-3350

Re: U.S. Application No. 11/997966

Fax No. 571-273-0140

From: John A. Burtis

Phone: 512-984-4672

Our Case No.: 60973US007

Fax No. 651-736-3833

PATENT

REEL: 020452 FRAME: 0848

RECORDED: 02/05/2008

DUPLICATE

Case No.: 60973US007 RECORDATION FORM COVER SHEET PATENTS ONLY To: The Director of the U.S. Patent and Trademark Office: Please record the attached document(s) or the new address(es) below. 2. Name and address of receiving party(ies): Name of conveying party(ies) Execution Date(s): 3M Innovative Properties Company SCHOENE, Stefan January 11, 2008 P.O. Box 33427 January 25, 2008 METRAL, Guy St. Paul, Minnesota 55133-3427 NUITEN, Roland January 15, 2008 January 11, 2008 SCHNUSENBERG, Juergen Additional name(s) of receiving party(ies) attached? ☐ Yes 🏻 No Additional name(s) of conveying party(ies) attached? ☐ Yes 🖾 No Nature of conveyance: Assignment Merger \boxtimes Security Agreement Change of Name ☐ Government Interest Assignment Joint Research Agreement Other: 4. Application or patent number(s) ☐ This document is being filed together with a new application. A. Patent Application No(s). B. Patent No(s). 11/997966 Additional Numbers Attached?

Yes

No 6. Total number of applications 5. Name and address to whom correspondence concerning document should be mailed: 1 and patents involved: Name: John A. Burtis Office of Intellectual Property Counsel 3M Innovative Properties Company Phone Number: 512-984-4672 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 8. Payment Information: Customer Number Deposit Account Number: 13-3723 Authorized User Name: John A. Burtis 9. Signature: Printed Name of Attorney/Agent: February 5, 2008 John A. Burtis Signature Registration No.: 39,924 Pages: Total number of pages including COVER SHEET, attachments, and 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

PATENT REEL: 020452 FRAME: 0849