

Case No.: 57899US004

**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.

1. Name of conveying party(ies) OTTO, Hans-Dieter SCHAUB, Cornel WURSTER, Peter DENTER, Friedrich Wilhelm Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Execution Date(s): November 23, 2004 November 1, 2004 November 15, 2004 November 23, 2004	2. Name and address of receiving party(ies): 3M Innovative Properties Company P.O. Box 33427 St. Paul, Minnesota 55133-3427 Additional name(s) of receiving party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Security Agreement <input type="checkbox"/> Other: <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name		

4. Application or patent number(s) <input type="checkbox"/> This document is being filed together with a new application.	
A. Patent Application No(s). 10/504947	B. Patent No(s).
Additional Numbers Attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

5. Name and address to whom correspondence concerning document should be mailed: Name: James J. Trussell Office of Intellectual Property Counsel 3M Innovative Properties Company Phone Number: (512) 984-4672 Fax Number: 651-736-3833 32692 Customer Number	6. Total number of applications and patents involved: 1
	7. Total fee (37 CFR §§ 1.21(h) & 3.41): \$40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account
	8. Payment Information: Deposit Account Number: 13-3723 Authorized User Name: James J. Trussell

9. Signature:Printed Name of Attorney/Agent:
James J. Trussell
Registration No.: 37,251

Signature

Date

Pages: Total number of pages including COVER SHEET, attachments, and documents

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

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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

TELECOMMUNICATIONS TERMINAL MODULE AND COMBINATION INCLUDING A TERMINAL MODULE

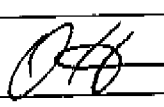

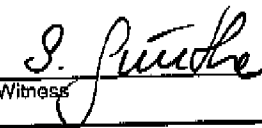
- ☐ for which an application for a United States Patent is being filed contemporaneously herewith;
☒ for which an application for a United States Patent identified as U.S. Patent Application No. 10/504947; was filed on August 16; 2004
☒ which application is identified as PCT International Patent Application No. **PCT/US03/06599** filed **March 4, 2003**;

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]): Hans-Dieter		Family Name or Surname: Otto	
Inventor's Signature: 		Date: 23.11.2004	
Residence: Wipperfurth		Country: Germany	Citizenship: Germany
Witness: 		Witness: 	

Given Name (first and middle [if any]): Cornel		Family Name or Surname: Schaub	
Inventor's Signature: <i>C. Schaub</i>		Date: 01.11.04	
Residence: Wuppertal		Country: Germany	Citizenship: Germany
Witness: <i>S. Sogorski</i>		Witness: <i>M. Müller</i>	

Given Name (first and middle [if any]): Peter		Family Name or Surname: Wurster	
Inventor's Signature:		Date:	
Residence: Wuppertal		Country: Germany	Citizenship: Germany
Witness:		Witness:	

Given Name (first and middle [if any]): Peter		Family Name or Surname: Wurster	
Inventor's Signature: <i>Peter Wurster</i>		Date: 15.11.04	
Residence: Wuppertal		Country: Germany	Citizenship: Germany
Witness: <i>Manfred Müller</i>		Witness: <i>Ursula Wörsching</i>	

Given Name (first and middle [if any]): Friedrich Wilhelm		Family Name or Surname: Denter	
Inventor's Signature: <i>Friedrich Wilhelm</i>		Date: 23.11.2004	
Residence: Castrop-Rauxel		Country: Germany	Citizenship: Germany
Witness: <i>Oliver Steyer</i>		Witness: <i>[Signature]</i>	