

Case No.: 60755US005

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) Execution Date(s):

BRANDWEIN, David H. September 21, 2007
 FREDERICKSON, Franklyn L. September 21, 2007
 KROPP, Karl M. September 24, 2007

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

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?

☐ Yes ☒ No

3. Nature of conveyance:

- ☐ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement ☐ Government Interest Assignment
☒ Other: Record to correct middle initial of the first Assignor's name on a previously recorded document at Reel 019902, Frame 0591.

4. Application or patent number(s)

☐ This document is being filed together with a new application.

A. Patent Application No(s).

11910173

B. Patent No(s).

Additional Numbers Attached? ☐ Yes ☐ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Erik M. Drange
 Office of Intellectual Property Counsel
 3M Innovative Properties Company
 Phone Number: 651-733-2180
 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

- ☐ Enclosed
☒ Authorized to be charged to deposit account

8. Payment Information:

Deposit Account Number: 13-3723

Authorized User Name: Erik M. Drange

9. Signature:

Printed Name of Attorney/Agent:

Erik M. Drange

Registration No.: 57,760

Signature

Date

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

7

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CH \$40.00 133723 11910173

PATENT

REEL: 026731 FRAME: 0951

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USPTO 10/4/2007 10:27:50 AM PAGE 4/004 Fax Server
 O:3M INNOVATIVE PROPERTIES COMPANY COMPANY:PO BOX 33427

2007-Sep-28 04:33 PM 3M 6517362051

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Case No.: 60755US008

RECORDATION FORM COVER SHEET PATENTS ONLY		
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1. Name of conveying party(ies) <u>NDP</u>	Execution Date(s):	2. Name and address of receiving party(ies):
BRANDWEIN, David W.	September 21, 2007	3M Innovative Properties Company
FREDERICKSON, Franklyn L.	September 21, 2007	P.O. Box 33427
KROPP, Karl M.	September 24, 2007	St. Paul, Minnesota 55133-3427
Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		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"/> Joint Research Agreement <input type="checkbox"/> Other:		
<input type="checkbox"/> Merger <input type="checkbox"/> Change of Name <input type="checkbox"/> Government Interest Assignment		
4. Application or patent number(s) <input type="checkbox"/> This document is being filed together with a new application.		
A. Patent Application No(s). 11910173		B. Patent No(s).
Additional Numbers Attached? <input type="checkbox"/> Yes <input type="checkbox"/> No		
5. Name and address to whom correspondence concerning document should be mailed:		6. Total number of applications and patents involved: 1
Name: Ted K. Ringard Office of Intellectual Property Counsel 3M Innovative Properties Company Phone Number: 651-736-5839 Fax Number: 651-736-3833 32692 Customer Number		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: Ted K. Ringard
9. Signature:		
Printed Name of Attorney/Agent: Ted K. Ringard Registration No.: 35,658		/Ted K. Ringard/ Signature September 29, 2007 Date
Pages: Total number of pages including COVER SHEET, attachments, and documents		4

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PATENT
 REEL: 026731 FRAME: 0952

Case No.: 60755US005

ASSIGNMENT OF APPLICATION

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

SYSTEM AND METHOD FOR TOOL FEEDBACK SENSING


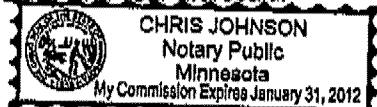

- ☐ for which an application for a United States Patent is being filed contemporaneously herewith;
- ☐ for which an application for a United States Patent identified as U.S. Patent Application No. ; was filed on ;
- ☒ which application is identified as PCT International Patent Application No. **PCT/US2006/013608**; filed **April 7, 2006**;

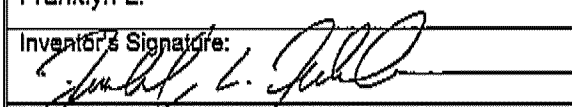

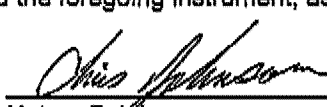
Now, therefore, for good and valuable consideration, receipt of which is acknowledged, I/we have agreed to assign and transfer and do hereby assign and transfer unto the 3M INNOVATIVE PROPERTIES COMPANY, a wholly-owned subsidiary of 3M COMPANY, and a corporation of Delaware, having its principal office 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]): David H.		Family Name or Surname: BRANDWEIN	
Inventor's Signature: 		Date: 21 SEP 2007	
Residence: New Brighton, Minnesota		Country: USA	Citizenship: United States of America
STATE OF MINNESOTA)) ss. COUNTY OF RAMSEY) On this <u>21st</u> day of <u>September</u> , <u>2007</u> , before me personally appeared the above-named David H. BRANDWEIN, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.			
(Seal) 		 Notary Public	

Given Name (first and middle [if any]): Franklyn L.		Family Name or Surname: FREDERICKSON	
Inventor's Signature: 		Date: 21 SEP 2007	
Residence: White Bear Lake, Minnesota		Country: USA	Citizenship: United States of America
STATE OF MINNESOTA)) ss. COUNTY OF RAMSEY) On this <u>21st</u> day of <u>September</u> , <u>2007</u> , before me personally appeared the above-named Franklyn L. Franklyn L., and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.			
(Seal) 		 Notary Public	

Given Name (first and middle [if any]): Karl M.		Family Name or Surname: KROPP	
Inventor's Signature: <i>Karl M. Kropp</i>		Date: <i>24 SEP 2007</i>	
Residence: Saint Paul, Minnesota		Country: USA	Citizenship: United States of America
STATE OF MINNESOTA) COUNTY OF RAMSEY) ss. On this <i>24th</i> day of <i>September</i> , <i>2007</i> , before me personally appeared the above-named Karl M. KROPP, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.			
(Seal)			<i>Chris Johnson</i> Notary Public