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Case No.: 60272US003

SHEET

113277 U.S. PT
11/321677

122905

To: The Director of the U.S. Patent and Trademark Office 103155665

Please record the attached document(s) or the new address(es) below.

1. Name of conveying party(ies) OBLAK, Donald S. NAYAR, Satinder K. FETTIG, Paul M. POCHARDT, Donald L.	Execution Date(s): December 9, 2005 December 19, 2005 December 28, 2005 December 12, 2005	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 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"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> 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).

Additional Numbers Attached? ☐ Yes ☒ No
5. Name and address to whom correspondence concerning document should be mailed:

 Name: Rick L. Franzen
 Office of Intellectual Property Counsel
 3M Innovative Properties Company
 Phone Number: 651-736-6432
 Fax Number: 651-736-3833

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Customer Number

 01/09/2006 DBYRNE 00000013 133723 11321677
 01 FC:8021 40.00 DA

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: Rick L. Franzen

9. Signature:

 Printed Name of Attorney/Agent:
 Rick L. Franzen
 Registration No.: 51,702

Signature

 December 29, 2005
 Date

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

3

 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: 017425 FRAME: 0360

ASSIGNMENT OF APPLICATION

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

**METHOD AND SYSTEM FOR DETERMINING A GAP BETWEEN A VIBRATIONAL BODY AND
FIXED POINT**


- ☒ 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. filed ;

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]): Donald S.		Family Name or Surname: OBLAK	
Inventor's Signature: <i>Donald S. Oblak</i>		Date: <i>December 9, 2005</i>	
Residence: North St. Paul, Minnesota		Country: USA	Citizenship: United States of America
STATE OF MINNESOTA)) ss. COUNTY OF RAMSEY) On this <u>9th</u> day of <u>December</u> , <u>2005</u> , before me personally appeared the above-named Donald S. OBLAK, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.			
(Seal)			<i>Kathleen M. Sandvig</i> Notary Public

Given Name (first and middle [if any]): Satinder K.		Family Name or Surname: NAYAR	
Inventor's Signature: <i>Satinder K. Nayar</i>		Date: <i>December 19th, 2005</i>	
Residence: Woodbury, Minnesota		Country: USA	Citizenship: United States of America

STATE OF MINNESOTA)
) ss.
COUNTY OF RAMSEY)


On this *19th* day of *December*, *2005*, before me personally appeared the above-named Satinder K. NAYAR, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.

(Seal)  *Kathleen M. Sandvig*
Notary Public

Given Name (first and middle [if any]): Paul M.		Family Name or Surname: FETTIG	
Inventor's Signature: <i>Paul M. Fetting</i>		Date: <i>12/28/2005</i>	
Residence: Oakdale, Minnesota		Country: USA	Citizenship: United States of America

STATE OF MINNESOTA)
) ss.
COUNTY OF RAMSEY)


On this *28th* day of *December*, *2005*, before me personally appeared the above-named Paul M. FETTIG, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.

(Seal)  *Kathleen M. Sandvig*
Notary Public

Given Name (first and middle [if any]): Donald L.		Family Name or Surname: POCHARDT	
Inventor's Signature: <i>Donald J. Pochardt</i>		Date: <i>Dec 12, 2005</i>	
Residence: Hastings, Minnesota		Country: USA	Citizenship: United States of America

STATE OF MINNESOTA)
) ss.
COUNTY OF RAMSEY)

On this *12th* day of *December*, *2005*, before me personally appeared the above-named Donald L. POCHARDT, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.

(Seal)  *Kathleen M. Sandvig*
Notary Public