

10/551593

A/D 581-40

Case No.: 58666US005

05-09-2006

PCT/PTO 30 SEP 2005

Duplicate

To: The Director of the U.S. Pa

Please record the attached



103234358

below.

## 1. Name of conveying party(ies)

Hiroshige, Yuji  
Yamazaki, Yoshinao

## Execution Date(s):

September 7, 2005  
August 24, 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?

☐ Yes ☒ No

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

☐ Yes ☒ No

## 3. Nature of Conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ 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: Dean M. Harts  
Office of Intellectual Property Counsel  
3M Innovative Properties Company  
Phone Number: (651) 737-2325  
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) &amp; 3.41):

\$40.00

- ☐ Enclosed  
☒ Authorized to be charged to deposit account

## 8. Payment Information:

Deposit Account No. 13-3723  
Authorized User Name: Dean M. Harts

## 9. Signature

Printed Name of Attorney/Agent:

Dean M. Harts  
Registration No.: 47,634

Signature

Date

30 September 2005

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

10/12/2005 ATRAM1 00000051 133723 10551593

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PATENT  
 REEL: 017853 FRAME: 0619

**ASSIGNMENT OF APPLICATION**

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

**ACRYLIC-BASED THERMALLY CONDUCTIVE COMPOSITION AND  
THERMALLY CONDUCTIVE SHEET**

- ☒ 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/US2004/008522** filed **19 March 2004**;

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)): <b>Yuji</b>		Family Name or Surname: <b>Hiroshige</b>	
Inventor's Signature: <i>Yuji Hiroshige</i>		Date: <i>Sep. 7, 2005</i>	
Residence: <b>Sagamihara</b>	Country: <b>Japan</b>	Citizenship: <b>Japan</b>	
<i>Masashi Sonoda</i> Witness <i>Masashi Sonoda</i>		<i>Toshio Tamura</i> Witness <i>Toshio Tamura</i>	

Given Name (first and middle [if any]): <b>Yoshinao</b>		Family Name or Surname: <b>Yamazaki</b>	
Inventor's Signature: <i>Yoshin Yamazaki</i>		Date: <i>Aug. 24, 2005</i>	
Residence: <b>Sagamihara</b>		Country: <b>Japan</b>	Citizenship: <b>Japan</b>
<i>Masashi Sonoda</i>		<i>Toshio Tamura</i>	
Witness <i>Masashi Sonoda</i>		Witness <i>Toshio Tamura</i>	