

01-14-2005



Case No.: 60389US002

RECORDATION
102920079
PATENTS ONLY

HEET

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):**

Downing, Jr., James W.
Nagai, Kenji
Nagase, Makoto
Nakazato, Katsuhiko

December 29, 2004
December 29, 2004
December 29, 2004
December 29, 2004

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

☐ Yes ☒ No**3. Nature of conveyance:**

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other:

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**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: Brian E. Szymanski
Office of Intellectual Property Counsel
3M Innovative Properties Company
Phone Number: (651) 737-9138
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: Brian E. Szymanski****9. Signature:**

Printed Name of Attorney/Agent:
Brian E. Szymanski
Registration No.: 39,523

Signature

December 29, 2004

Date

Pages: Total number of pages including COVER SHEET, attachments, and documents**5**

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

01/13/2005 ECOOPER 00000044 133723 11025183

01 FC:8021

40.00 DA

PATENT
REEL: 016142 FRAME: 0138

Case No.: 60389US002

ASSIGNMENT OF APPLICATION

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

MICROSPHERE-FILLED POLYTETRAFLUOROETHYLENE COMPOSITIONS


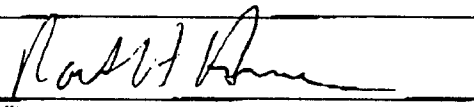
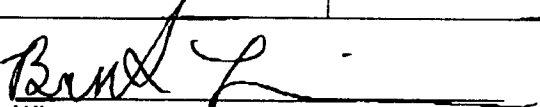
- ☒ for which an application for a United States Patent is being filed contemporaneously herewith;
☐ for which an application for a United States Patent identified as U.S. Patent Application No. ; was filed on ;
☐ which application is identified as PCT International Patent Application No. filed ;

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]): James W.		Family Name or Surname: Downing, Jr.	
Inventor's Signature: 		Date: December <u>29</u> , 2004	
Residence: Woolwich Township, New Jersey		Country: USA	Citizenship: United States of America
 Witness		 Witness	

Given Name (first and middle [if any]): Kenji		Family Name or Surname: Nagai	
Inventor's Signature:		Date: December ____, 2004	
Residence: 3-4719-5-401, Sobudai Zama City, Kanagawa Pref. 228-0011		Country: Japan	Citizenship: Japan
_____ Witness		_____ Witness	

Given Name (first and middle [if any]): Makoto		Family Name or Surname: Nagase	
Inventor's Signature:		Date: December ____, 2004	
Residence: 4-13-1-706, Minami Ohsawa, Hachioji-shi, Tokyo 192-0364		Country: Japan	Citizenship: Japan
_____ Witness		_____ Witness	

Given Name (first and middle [if any]): Katsuhiko		Family Name or Surname: Nakazato	
Inventor's Signature:		Date: December ____, 2004	
Residence: 5-13-10-802, Higashi-Fuchinobe Sagamihara city, Kanagawa Pref., 229-0003		Country: Japan	Citizenship: Japan
_____ Witness		_____ Witness	

Case No.: 60389US002

ASSIGNMENT OF APPLICATION

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

MICROSPHERE-FILLED POLYTETRAFLUOROETHYLENE COMPOSITIONS

- ☒ 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]): James W.	Family Name or Surname: Downing, Jr.	
Inventor's Signature:	Date: December ____, 2004	
Residence: Woolwich Township, New Jersey	Country: USA	Citizenship: United States of America
Witness		

Given Name (first and middle (if any)): Kenji		Family Name or Surname: Nagai	
Inventor's Signature: <i>Kenji Nagai</i>		Date: December <u>29</u> , 2004	
Residence: 3-4719-5-401, Sobudai Zama City, Kanagawa Pref. 228-0011		Country: Japan	Citizenship: Japan
<u><i>Fumio Karasawa</i></u> Witness Fumio Karasawa		<u><i>Toshio Tamura</i></u> Witness Toshio Tamura	

Given Name (first and middle (if any)): Makoto		Family Name or Surname: Nagase	
Inventor's Signature: <i>Makoto Nagase</i>		Date: December <u>29</u> , 2004	
Residence: 4-13-1-706, Minami Ohsawa, Hachioji-shi, Tokyo 192-0364		Country: Japan	Citizenship: Japan
<u><i>Fumio Karasawa</i></u> Witness Fumio Karasawa		<u><i>Toshio Tamura</i></u> Witness Toshio Tamura	

Given Name (first and middle (if any)): Katsuhiko		Family Name or Surname: Nakazato	
Inventor's Signature: <i>Katsuhiko Nakazato</i>		Date: December <u>29</u> , 2004	
Residence: 5-13-10-802, Higashi-Fuchinobe Sagami-hara city, Kanagawa Pref., 229-0003		Country: Japan	Citizenship: Japan
<u><i>Fumio Karasawa</i></u> Witness Fumio Karasawa		<u><i>Toshio Tamura</i></u> Witness Toshio Tamura	