

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT												
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT												
<b>CONVEYING PARTY DATA</b>													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Dwight D Erickson</td> <td>12/17/2008</td> </tr> <tr> <td>Scott R Culler</td> <td>12/17/2008</td> </tr> <tr> <td>Negus B. Adefris</td> <td>12/17/2008</td> </tr> <tr> <td>John T. Boden</td> <td>12/17/2008</td> </tr> <tr> <td>John D. Haas</td> <td>12/17/2008</td> </tr> </tbody> </table>		Name	Execution Date	Dwight D Erickson	12/17/2008	Scott R Culler	12/17/2008	Negus B. Adefris	12/17/2008	John T. Boden	12/17/2008	John D. Haas	12/17/2008
Name	Execution Date												
Dwight D Erickson	12/17/2008												
Scott R Culler	12/17/2008												
Negus B. Adefris	12/17/2008												
John T. Boden	12/17/2008												
John D. Haas	12/17/2008												
<b>RECEIVING PARTY DATA</b>													
<b>Name:</b>	3M Innovative Properties Company												
<b>Street Address:</b>	P.O. Box 33427												
<b>City:</b>	St. Paul												
<b>State/Country:</b>	MINNESOTA												
<b>Postal Code:</b>	55133-3427												
<b>PROPERTY NUMBERS Total: 1</b>													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12336877</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12336877								
Property Type	Number												
Application Number:	12336877												
<b>CORRESPONDENCE DATA</b>													
<b>Fax Number:</b>	(651)736-3833												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
<b>Phone:</b>	651-733-1500												
<b>Email:</b>	LegalUSDocketing@mmm.com												
<b>Correspondent Name:</b>	3M INNOVATIVE PROPERTIES COMPANY												
<b>Address Line 1:</b>	PO BOX 33427												
<b>Address Line 4:</b>	ST. PAUL, MINNESOTA 55133-3427												
<b>ATTORNEY DOCKET NUMBER:</b>	63511US005												
<b>NAME OF SUBMITTER:</b>	Jenny Thompson												

CH \$40.00 12336877

Total Attachments: 4

source=Assignment\_63511US005#page1.tif

source=Assignment\_63511US005#page2.tif

source=Assignment\_63511US005#page3.tif

source=Assignment\_63511US005#page4.tif

ASSIGNMENT OF APPLICATION

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

SHAPED, FRACTURED ABRASIVE PARTICLE, ABRASIVE ARTICLE USING SAME AND METHOD OF MAKING
---


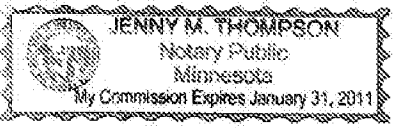
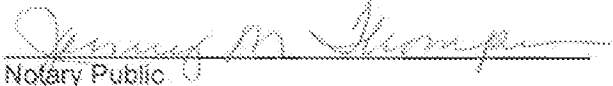
- for which an application for a United States Patent is being filed contemporaneously herewith;
- for which an application for a United States Patent identified as U.S. Patent Application No. ; was filed on ;
- which application is identified as PCT International Patent Application No. ; filed ;

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





Given Name (first and middle [if any]): JOHN D.		Family Name or Surname: HAAS	
Inventor's Signature: 		Date: 12/17/2008	
Residence: Roseville, Minnesota		Country: USA	Citizenship: United States of America
STATE OF MINNESOTA ) ) ss. COUNTY OF RAMSEY )			
On this <u>17</u> day of <u>December</u> , <u>2008</u> , before me personally appeared the above-named JOHN D. HAAS, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.			
(Seal)			 Notary Public