

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT																						
NATURE OF CONVEYANCE:	ASSIGNMENT																						
CONVEYING PARTY DATA																							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Catherine P. Tarnowski</td> <td>06/25/2013</td> </tr> <tr> <td>Kenneth G. Brittain</td> <td>06/25/2013</td> </tr> <tr> <td>David L. Hofeldt</td> <td>06/25/2013</td> </tr> <tr> <td>Andrzej P. Jaworski</td> <td>06/25/2013</td> </tr> <tr> <td>Gregory D. Kostuch</td> <td>06/27/2013</td> </tr> <tr> <td>John A. Ramthun</td> <td>06/26/2013</td> </tr> <tr> <td>Evan J. Ribnick</td> <td>07/02/2013</td> </tr> <tr> <td>Esa H. Vilkkama</td> <td>06/26/2013</td> </tr> <tr> <td>Derek H. Justice</td> <td>06/25/2013</td> </tr> <tr> <td>Guillermo Sapiro</td> <td>06/14/2013</td> </tr> </tbody> </table>		Name	Execution Date	Catherine P. Tarnowski	06/25/2013	Kenneth G. Brittain	06/25/2013	David L. Hofeldt	06/25/2013	Andrzej P. Jaworski	06/25/2013	Gregory D. Kostuch	06/27/2013	John A. Ramthun	06/26/2013	Evan J. Ribnick	07/02/2013	Esa H. Vilkkama	06/26/2013	Derek H. Justice	06/25/2013	Guillermo Sapiro	06/14/2013
Name	Execution Date																						
Catherine P. Tarnowski	06/25/2013																						
Kenneth G. Brittain	06/25/2013																						
David L. Hofeldt	06/25/2013																						
Andrzej P. Jaworski	06/25/2013																						
Gregory D. Kostuch	06/27/2013																						
John A. Ramthun	06/26/2013																						
Evan J. Ribnick	07/02/2013																						
Esa H. Vilkkama	06/26/2013																						
Derek H. Justice	06/25/2013																						
Guillermo Sapiro	06/14/2013																						
RECEIVING PARTY DATA																							
Name:	3M Innovative Properties Company																						
Street Address:	P.O. Box 33427																						
City:	St. Paul																						
State/Country:	MINNESOTA																						
Postal Code:	55133-3427																						
PROPERTY NUMBERS Total: 1																							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13984764</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13984764																		
Property Type	Number																						
Application Number:	13984764																						
CORRESPONDENCE DATA																							
Fax Number:	6517363833																						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																							
Phone:	651-733-1500																						
Email:	spgumatz@mmm.com																						
Correspondent Name:	3M INNOVATIVE PROPERTIES COMPANY																						
Address Line 1:	PO BOX 33427																						

CH \$40.00 13984764

Address Line 4: ST. PAUL, MINNESOTA 55133-3427

ATTORNEY DOCKET NUMBER: 66752US004

NAME OF SUBMITTER: Susan P. Gumatz

Signature: /Susan P. Gumatz/

Date: 08/09/2013

Total Attachments: 6

source=Assignment_66752US004#page1.tif

source=Assignment_66752US004#page2.tif

source=Assignment_66752US004#page3.tif

source=Assignment_66752US004#page4.tif

source=Assignment_66752US004#page5.tif

source=Assignment_66752US004#page6.tif

ASSIGNMENT OF APPLICATION

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


SYSTEM FOR DETECTION OF NON-UNIFORMITIES IN WEB-BASED MATERIALS

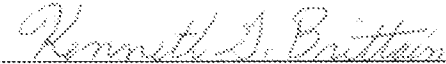
- for which an application for a United States Patent is being filed contemporaneously herewith;
- for which an application for a United States Patent identified as U.S. Patent Application No. , was filed on ;
- which application is identified as PCT International Patent Application No. PCT/US2012/024987; filed 14 February 2012;

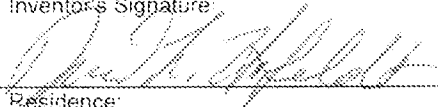
Now, therefore, for good and valuable consideration, receipt of which is acknowledged, I/we have agreed to assign and transfer and do hereby assign and transfer unto the 3M INNOVATIVE PROPERTIES COMPANY, a wholly-owned subsidiary of 3M COMPANY, and a corporation of Delaware, having its principal office 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;

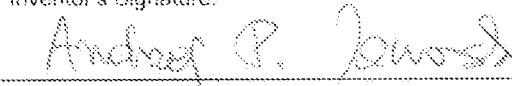
I/We do further agree for myself/ourselves and for my/our heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as I/we lawfully may, that may be deemed necessary by said Company, 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

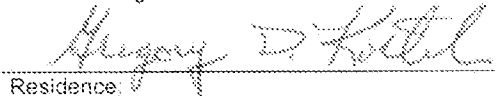
I/We do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of the said applications, to said 3M Innovative Properties Company, as the assignee of the entire right, title, and interest therein.

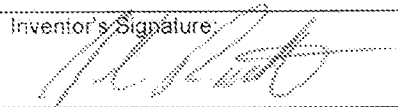
Given Name (first and middle [if any]): Catherine P.	Family Name or Surname: Tarnowski	
Inventor's Signature: 	Date: 06/25/2013	
Residence: Mahtomedi, Minnesota	Country: USA	Citizenship: United States of America

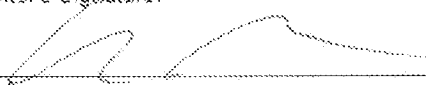
Given Name (first and middle [if any]): Kenneth G.	Family Name or Surname: Brittain	
Inventor's Signature: 	Date: 6-25-13	
Residence: Cottage Grove, Minnesota	Country: USA	Citizenship: United States of America

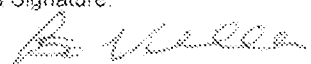
Given Name (first and middle [if any]): David L.	Family Name or Surname: Hofeldt	
Inventor's Signature: 	Date: 6/25/13	
Residence: Oakdale, Minnesota	Country: USA	Citizenship: United States of America

Given Name (first and middle [if any]): Andrzej P.	Family Name or Surname: Jaworski	
Inventor's Signature: 	Date: 6/25/2013	
Residence: Woodbury, Minnesota	Country: USA	Citizenship: United States of America


Given Name (first and middle [if any]): Gregory D.	Family Name or Surname: Kostuch	
Inventor's Signature: 	Date: 6/27/13	
Residence: Mahtomedi, Minnesota	Country: USA	Citizenship: United States of America

Given Name (first and middle [if any]): John A.	Family Name or Surname: Ramthun	
Inventor's Signature: 	Date: 6-26-13	
Residence: Hudson, Wisconsin	Country: USA	Citizenship: United States of America

Given Name (first and middle [if any]): Evan J.		Family Name or Surname: Ribnick	
Inventor's Signature: 		Date: 7/2/13	
Residence: St. Louis Park, Minnesota		Country: USA	Citizenship: United States of America

Given Name (first and middle [if any]): Esa H.		Family Name or Surname: Vilkama	
Inventor's Signature: 		Date: 6/26/13	
Residence: Plymouth, Minnesota		Country: USA	Citizenship: Finland

Given Name (first and middle [if any]): Derek H.		Family Name or Surname: Justice	
Inventor's Signature:		Date:	
Residence: Cary, North Carolina		Country: USA	Citizenship: United States of America

Given Name (first and middle [if any]): Guillermo		Family Name or Surname: Sapiro	
Inventor's Signature: 		Date: 6/14/13	
Residence: Durham, North Carolina		Country: USA	Citizenship: United States of America

ASSIGNMENT OF APPLICATION

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

SYSTEM FOR DETECTION OF NON-UNIFORMITIES IN WEB-BASED MATERIALS

- 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/US2012/024987; filed 14 February 2012;

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.

Given Name (first and middle [if any]): Catherine P.		Family Name or Surname: Tarnowski	
Inventor's Signature:		Date:	
Residence: Mahtomedi, Minnesota	Country: USA	Citizenship: United States of America	

Given Name (first and middle [if any]): Kenneth G.		Family Name or Surname: Brittain	
Inventor's Signature:		Date:	
Residence: Cottage Grove, Minnesota	Country: USA	Citizenship: United States of America	

Given Name (first and middle [if any]): David L.		Family Name or Surname: Hofeldt	
Inventor's Signature:		Date:	
Residence: Oakdale, Minnesota	Country: USA	Citizenship: United States of America	

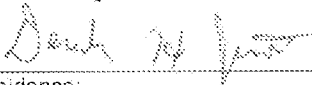
Given Name (first and middle [if any]): Andrzej P.		Family Name or Surname: Jaworski	
Inventor's Signature:		Date:	
Residence: Woodbury, Minnesota	Country: USA	Citizenship: United States of America	

Given Name (first and middle [if any]): Gregory D.		Family Name or Surname: Kostuch	
Inventor's Signature:		Date:	
Residence: Mahtomedi, Minnesota	Country: USA	Citizenship: United States of America	

Given Name (first and middle [if any]): John A.		Family Name or Surname: Ramthun	
Inventor's Signature:		Date:	
Residence: Hudson, Wisconsin	Country: USA	Citizenship: United States of America	

Given Name (first and middle [if any]): Evan J.		Family Name or Surname: Ribnick	
Inventor's Signature:		Date:	
Residence: St. Louis Park, Minnesota		Country: USA	Citizenship: United States of America

Given Name (first and middle [if any]): Esa H.		Family Name or Surname: Vilkama	
Inventor's Signature:		Date:	
Residence: Plymouth, Minnesota		Country: USA	Citizenship: Finland

Given Name (first and middle [if any]): Derek H.		Family Name or Surname: Justice	
Inventor's Signature: 		Date: 6/25/13	
Residence: Cary, North Carolina		Country: USA	Citizenship: United States of America

Given Name (first and middle [if any]): Guillermo		Family Name or Surname: Sapiro	
Inventor's Signature:		Date:	
Residence: Durham, North Carolina		Country: USA	Citizenship: United States of America