502453392 08/09/2013

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

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. Vilkama	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

Property Type	Number
Application Number:	13984764

CORRESPONDENCE DATA

Fax Number: 6517363833

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 651-733-1500

Email: spgumatz@mmm.com

Correspondent Name: 3M INNOVATIVE PROPERTIES COMPANY

Address Line 1: PO BOX 33427

PATENT

REEL: 030981 FRAME: 0052

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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		

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PATENT REEL: 030981 FRAME: 0053

Case No.: 66752US004

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.

Case No.: 66752US004

Given Name (first and middle (if anyl):	Family Name or Surname:	
Catherine P.	Tarnowski	
Inventor's Signature:	Date:	
Catherine R. Animali	06/25/2013	
Residence:	Country:	Citizenship:
Mahtomedi, Minnesota	USA	United States of America
Given Name (first and middle [if any]):	Family Name or S	Surname:
Kenneth G.	Brittain	
Inventor's Signature:	Date:	
Konnett De Brittein	6-25	
Residence	Country:	Citizenship:
Cottage Grove, Minnesota	USA	United States of America
Given Name (first and middle [if any]):	Family Name or 9	Sunama
David L.	Hofeldt	surraine,
Inventor's Signature	Date:	/
Mash Malala	6/25/	
Residence.	Country:	Citizenship:
Oakdale, Minnesota	USA	United States of America
Given Name (first and middle [if any]):		2 (20 20 20 20
	Family Name or Surname: Jaworski	
Andrzej P.	Jaworski Date:	
Inventor's Signature: Andrea C. Janos		K/2013
Residence	Country:	Citizenship:
Woodbury, Minnesota	LICA	
	USA	United States of America
Given Name (first and middle [if any]):	Family Name or	
Given Name (first and middle (if any)): Gregory D.	Family Name or Kostuch	
Given Name (first and middle [if any]):	Family Name or	
Given Name (first and middle (if any)): Gregory D. Inventor's Signature:	Family Name or S Kostuch Date:	Surname:
Given Name (first and middle [if any]): Gregory D. Inventor's Signature: Residence:	Family Name or Medical Name or	Surname: Citizenship:
Given Name (first and middle (if any)): Gregory D. Inventor's Signature:	Family Name or S Kostuch Date:	Surname:
Given Name (first and middle (if any)): Gregory D. Inventor's Signature: Residence: Mahtomedi, Minnesota	Family Name or S Kostuch Date: Country: USA	Surname: Citizenship: United States of America
Given Name (first and middle [if any]): Gregory D. Inventor's Signature: Residence: Mahtomedi, Minnesota Given Name (first and middle [if any]):	Family Name or Medical Name or	Surname: Citizenship: United States of America
Given Name (first and middle [if any]): Gregory D. Inventor's Signature: Residence: Mahtomedi, Minnesota Given Name (first and middle [if any]): John A.	Family Name or Kostuch Date: Country: USA Family Name or	Surname: Citizenship: United States of America
Given Name (first and middle [if any]): Gregory D. Inventor's Signature: Residence: Mahtomedi, Minnesota Given Name (first and middle [if any]):	Family Name or Kostuch Date: Country: USA Family Name or Ramthun	Surname: Citizenship: United States of America Surname:
Given Name (first and middle [if any]): Gregory D. Inventor's Signature: Residence: Mahtomedi, Minnesota Given Name (first and middle [if any]): John A. Inventor's Signature:	Family Name or Kostuch Date: Country: USA Family Name or Ramthun Date:	Surname: Citizenship: United States of America Surname:

Page 2 of 3 Case No.: 66752US004 3M Innovative Properties Company, P. O. Box 33427, St. Paul, MN 55133-3427

Assignment

Given Name (first and middle [if any]):	Family Name or Surname:	
Evan J.	Ribnick	
Inventor's Signature:	Date:	
	7/2/13	
Residence	Country:	Citizenship:
St. Louis Park, Minnesota	USA	United States of America
	······	
Given Name (first and middle [if any]):	Family Name or St	irname:
Esa H.	Vilkama	
Inventor's Signature:	Date:	
Bir Willer	6/24//3	
Residence:	Country:	Citizenship:
Plymouth, Minnesota	USA	Finland
	ė	
	Family Name or Surname:	
Given Name (first and middle [if any]):	Family Name or Su	ırname:
Given Name (first and middle [if any]): Derek H.	Family Name or Su Justice	imame;
	1	imame:
Derek H.	Justice	imame;
Derek H.	Justice	imame: Citizenship
Derek H. Inventor's Signature:	Justice Date:	
Derek H. Inventor's Signature: Residence:	Justice Date: Country:	Citizenship
Derek H. Inventor's Signature: Residence:	Justice Date: Country:	Citizenship United States of America
Derek H. Inventor's Signature: Residence: Cary, North Carolina	Justice Date: Country: USA	Citizenship United States of America
Derek H. Inventor's Signature: Residence: Cary, North Carolina Given Name (first and middle [if any]):	Justice Date: Country: USA Family Name or St Sapiro Date:	Citizenship United States of America uname:
Derek H. Inventor's Signature: Residence: Cary, North Carolina Given Name (first and middle [if any]): Guillermo	Justice Date: Country: USA Family Name or St Sapiro Date:	Citizenship: United States of America uname:
Derek H. Inventor's Signature: Residence: Cary, North Carolina Given Name (first and middle [if any]): Guillermo	Justice Date: Country: USA Family Name or St Sapiro Date: Country:	Citizenship United States of America uname:

PATENT REEL: 030981 FRAME: 0056

Case No.: 66752US004

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

Assignment

Page 1 of 3 Case No.: 56752US004 3M Innovative Properties Company, P. O. Box 33427, St. Paul, MN 55133-3427

Given Name (first and middle [if any]):	Family Name or Surname:	
Catherine P.	Tarnowski	
Inventor's Signature:	Date:	
((IVanta) a digitalist.		
Residence:	Country:	Citizenship;
Mahtomedi, Minnesota	USA	United States of America
Given Name (first and middle [if any]):	Family Name of	or Surname:
Kenneth G.	Brittain	
Inventor's Signature	Date:	
Residence:	Country:	Citizenship:
Cottage Grove, Minnesota	USA	United States of America
Given Name (first and middle [if any]):	Family Name of	or Surname:
David L.	Hofeldt	
Inventor's Signature:	Date:	
		A
Residence:	Country:	Citizenship:
Oakdale, Minnesota	USA	United States of America
Given Name (first and middle [if any]):	Family Name or Surname:	
Andrzej P.	Jaworski	
Inventor's Signature:	Date:	
Residence:	Country	Citizenship:
Woodbury, Minnesota	USA	United States of America
Woodbury, withtesom		
Given Name (first and middle [if any]):	Family Name	or Surname:
Gregory D.	Kostuch	
Inventor's Signature:	Date:	
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Residence:	Country:	Cifizenship:
Mahtomedi, Minnesota	USA	United States of America
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Given Name (first and middle [if any]):	Family Name	or Surname:
John A.	Ramthun	
Inventor's Signature:	Date:	
-		
Residence:	Country:	Citizenship:
Hudson, Wisconsin	USA	United States of America

Assignment

Page 2 of 3 Case No.: 66752US004
3M Innovative Properties Company, P. O. Box 33427, St. Paul, MN 55133-3427

Given Name (first and middle [if any]):	Family Name (or Surname:
Evan J.	Ribnick	
Inventor's Signature:	Date:	
C		
Residence	Country:	Citizenship:
St. Louis Park, Minnesota	USA	United States of America
Given Name (first and middle [if any]):	Family Name or Surname:	
Esa H.	Vilkama	
Inventor's Signature	Date:	
Residence:	Country:	Citizenship:
Plymouth, Minnesota	USA	Finland
Given Name (first and middle [if any]):	Family Name or Surname:	
Derek H.	Justice	
Inventor's Signature:	Date:	
Dent of Just	6/25/13	
Residence:	Country:	Citizenship:
Cary, North Carolina	USA	United States of America
Given Name (first and middle [if any]):	Family Name or Surname:	
Guillermo	Sapiro	
Inventor's Signature:	Date:	
Residence:	Country:	Citizenship:
Durham North Carolina	USA	United States of America

Assignment

RECORDED: 08/09/2013

Page 3 of 3 Case No.: \$5752US004 3M Innovative Properties Company, P. O. Box 33427, St. Paul, MN 55133-3427

PATENT REEL: 030981 FRAME: 0059