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Case No.: 59498US004

KE	102920	542	== 1		
To: The Director of the U.S. Patent and Tr			-		
Please record the attached document(s) or the new address(es) below.					
1. Name of conveying party(ies)	Execution Date(s):		2. Name and addr	ess of receiving par	
Berg, Brandon T. Skeps, Carl J. Masterman, James A.	December 23, 200 December 23, 200 December 23, 200 December 23, 200 December 24, 200)4)4)4	3M Innovative Pro P.O. Box 33427 St. Paul, Minnesot		й 11/024894 11/024894
Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No		Yes No	receiving party(les) au	acite ck	
3. Nature of conveyance: ☐ Assignment ☐ Mergan ☐ Chart ☐ Other:	ger nge of Name				
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).					
Ado	ditional Numbers Atta	ached? [] Yes □ No		
Name and address to whom correspor concerning document should be maile			number of applicat atents involved:	ions 1	
Name: Brian E. Szymanski Office of Intellectual Property Count 3M Innovative Properties Company					
Phone Number: (651) 737-9138 Fax Number: 651-736-3833 7. Total		7. Total fee (37 CFR §§ 1.21(h) & 3.41): \$40.00 □ Enclosed □ Authorized to be charged to deposit account			
32692 Customer Number	8. Payment Information: Deposit Account Number: 13-3723				
		•		Brian E. Szymanski	
9. Signature: Printed Name of Attorney/Agent: Brian E. Szymanski Registration No.: 39,523	m Syrature			r 29,2004	
Pages: Total number of pages including ¢	OVER SHEET, attac		nd documents		7
Documents to be recorded					

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PATENT

REEL: 016147 FRAME: 0483

Case No.: 59498US004

ASSIGNMENT OF APPLICATION

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

· · · · · · · · · · · · · · · · · · ·	INVENTORY CONTROL FOR WEB-BASED ARTICLES
for which ar	n application for a United States Patent is being filed contemporaneously herewith; n application for a United States Patent identified as U.S. Patent Application No.; was filed on; cation 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]): Steven P.	Family Name or Surname: Floeder		
Inventor's Signature:	Date: December 23, 2004		
Résidence:	Country:	Citizenship:	
Shoreview, Minnesota	USA	United States of America	
STATE OF MINNESOTA) ss. COUNTY OF WASHINGTON) On this 37 day of December, 2004, before me personally appeared the above-named Steven P. Floeder, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid. (Seal) CAROL A DECAIRE Notary Public My Comm. Expires Jan. 31 2005			

Assignment

Page 1 of 3

Case No.: 59498US004

Circa Nama (find and middle fit and)	Family Name or Curnema		
Given Name (first and middle [if any]): Brandon T.	Family Name or Surname:		
brandon 1.	Berg		
Inventor's Signature:	Date:		
	December 23, 2004		
Mr 1 Deg	<u> </u>		
Residence:	Country:	Citizenship:	
West Lakeland, Minnesota	USA	United States of America	
STATE OF MINNESOTA)		<u> </u>	
) SS.			
COUNTY OF WASHINGTON)			
On this day of December, 2004, before me pe	ersonally appeared the above per	nod Brandon T. Barg, and	
who executed the foregoing instrument, as said person's free	act and deed, on the day and ve	hed Brandon T. Berg, and	
	7 17 1	ai aioresaid.	
(Seal) CAROL A DECAIRE	Carol (i. Decare		
NOTARY PUBLIC MINNESOTA	Notary Public		
My Comm. Expires Jan. 31 2005			
	- 1 =		
Given Name (first and middle [if any]):	Family Name or Surname:		
Carl J.	Skeps		
Inventor's Signature:	Date:		
	December 23, 2004		
Residence:	Country:	Citizenship:	
Lakeville, Minnesota	USA	United States of America	
STATE OF MINNESOTA)			
) SS.			
COUNTY OF WASHINGTON)			
2 1 2 1 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2		and Could Chome and the	
On this <u>331rd</u> day of December, 2004, before me p			
executed the foregoing instrument, as said person's free act	and deed, on the day and year a	ioresaid.	
(Seal) \$ CAROL A DECAIRE \$	(and ()) exam	2	
NOTARY PUBLIC MINNESOTA	Notary Public		
My Comm. Expires Jan. 31 2005			
£~~~~~~			
Given Name (first and middle life and):			
Given Name (first and middle [if any]):	Family Name or Surname:		
James A	Family Name or Surname: Masterman		
James A Jam Master	Masterman		
1	Masterman Date:		
James A Jam Master	Masterman		
Inventor's Signature:	Masterman Date: December 23, 2004 Country:	Citizenship:	
Inventor's Signature:	Masterman Date: December 3, 2004	Citizenship: United States of America	
Inventor's Signature: Residence: Lake Elmo, Minnesota	Masterman Date: December 23, 2004 Country:		
Inventor's Signature: Residence: Lake Elmo, Minnesota STATE OF MINNESOTA	Masterman Date: December 23, 2004 Country:		
Inventor's Signature: Residence: Lake Elmo, Minnesota STATE OF MINNESOTA) ss.	Masterman Date: December 23, 2004 Country:		
Inventor's Signature: Residence: Lake Elmo, Minnesota STATE OF MINNESOTA) ss. COUNTY OF WASHINGTON)	Masterman Date: December 33, 2004 Country: USA	United States of America	
Inventor's Signature: Residence: Lake Elmo, Minnesota STATE OF MINNESOTA) ss. COUNTY OF WASHINGTON) On this 33 rd day of December, 2004, before me p	Masterman Date: December 23, 2004 Country: USA ersonally appeared the above-na	United States of America med James A. Masterman,	
Inventor's Signature: Residence: Lake Elmo, Minnesota STATE OF MINNESOTA) ss. COUNTY OF WASHINGTON)	Masterman Date: December 3, 2004 Country: USA ersonally appeared the above-nass free act and deed, on the day a	United States of America med James A. Masterman, nd year aforesaid.	
Inventor's Signature: Residence: Lake Elmo, Minnesota STATE OF MINNESOTA) ss. COUNTY OF WASHINGTON) On this 23 rd day of December, 2004, before me p and who executed the foregoing instrument, as said person	Masterman Date: December 3, 2004 Country: USA ersonally appeared the above-nass free act and deed, on the day a	United States of America med James A. Masterman, nd year aforesaid.	
Inventor's Signature: Residence: Lake Elmo, Minnesota STATE OF MINNESOTA) ss. COUNTY OF WASHINGTON) On this 33 day of December, 2004, before me p and who executed the foregoing instrument, as said person (Seal) CAROLA DECAIRE	Masterman Date: December 23, 2004 Country: USA ersonally appeared the above-nass free act and deed, on the day a Carel Ci. Decay.	United States of America med James A. Masterman, nd year aforesaid.	
Inventor's Signature: Residence: Lake Elmo, Minnesota STATE OF MINNESOTA) ss. COUNTY OF WASHINGTON) On this 23 rd day of December, 2004, before me p and who executed the foregoing instrument, as said person	Masterman Date: December 3, 2004 Country: USA ersonally appeared the above-nass free act and deed, on the day a	United States of America med James A. Masterman, nd year aforesaid.	
Inventor's Signature: Residence: Lake Elmo, Minnesota STATE OF MINNESOTA) ss. COUNTY OF WASHINGTON) On this 23 ¹¹ day of December, 2004, before me p and who executed the foregoing instrument, as said person (Seal) CAROL A DECAIRE NOTARY PUBLIC MINNESOTA	Masterman Date: December 23, 2004 Country: USA ersonally appeared the above-nass free act and deed, on the day a Carel Ci. Decay.	United States of America med James A. Masterman, nd year aforesaid.	

Assignment Page 2 of 3 Case No.: 59498US004

REEL: 016147 FRAME: 0485

Given Name (first and middle [if any]): Wayne R.	Family Name or Surname: Roller		
Inventor's Signature:	Date: December, 2004		
Residence: Stillwater, Minnesota	Country: USA	Citizenship: United States of America	
Witness	Witness		

Assignment

Page 3 of 3

Case No.: 59498US004

Case No.: 59498US004

ASSIGNMENT OF APPLICATION

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

INVENTORY CONTROL FOR WEB-BASED ARTICLES 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

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 doduments, 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]): Steven P.	Family Name or Surr Floeder	name:
Inventor's Signature:	Date: December	_, 2004
Residence:	Country:	Citizenship:
Shoreview, Minnesota	USA	United States of America
STATE OF MINNESOTA)) ss. COUNTY OF WASHINGTON) On this day of December, 2004, bef who executed the foregoing instrument, as said per	ore me personally appeared the arson's free act and deed, on the d	above-named Steven P. Floeder, and lay and year aforesaid.
(Seal)	Notary Public	

Assignment

Page 1 of 3

Case No.: 59498US004

PATENT REEL: 016147 FRAME: 0487

Given Name (first and middle [if any]):	Family Name or Surname:	
Brandon T.	Berg	
Inventor's Signature:	Date:	
	December, 2004	
Residence:	Country:	Citizenship:
West Lakeland, Minnesota	USA	United States of America
STATE OF MINNESOTA) ss.		
COUNTY OF WASHINGTON)		
On this day of December, 2004, before me person who executed the foregoing instrument, as said person's free ac	onally appeared the above-nan ct and deed, on the day and ye	ned Brandon T. Berg, and ar aforesaid.
(Seal)	Mata - Dubli-	
	Notary Public	
Given Name (first and middle [if any]):	Family Name or Surname:	
Carl J.	Skeps	
Inventor's Signature:	Date:	
	December, 2004	
Residence:	Country:	Citizenship:
Lakeville, Minnesota	USA	United States of America
STATE OF MINNESOTA)		
) ss. COUNTY OF WASHINGTON)		
On this day of December, 2004, before me perso	onally appeared the above-nam	ned Carl J. Skeps, and who
executed the foregoing instrument, as said person's free act and	deed, on the day and year afo	oresaid.
(Seal)		
,	Notary Public	
Given Name (first and middle [if any]):	Family Name or Surname:	
James A.	Mașterman	
Inventor's Signature:	Date:	
	December, 2004	
Residence:	Country:	Citizenship:
Lake Elmo, Minnesota	USA	United States of America
STATE OF MINNESOTA)		
) ss. COUNTY OF WASHINGTON)		
On this day of December, 2004, before me perso	onally appeared the above-nam	ned James A. Masterman.
and who executed the foregoing instrument, as said person's fre		
(Seal)		
•		
·	Notary Public	
	Notary Public	

Assignment

Page 2 of 3

PATENT REEL: 016147 FRAME: 0488

Case No.: 59498US004

Given Name (first and middle [if any]): Wayne R.	Family Name or Sum Roller	name;
Inventor's Signature: Kallen	Date: December <u>2 4</u> , 2004	
Residence/ Stillwater, Minnesota	Country: USA	Citizenship: United States of America
Richard F. Ockerson	Sign -	MBeller

Assignment

RECORDED: 12/29/2004

Page 3 of 3

PATENT

Case No.: 59498US004

REEL: 016147 FRAME: 0489