Case No.: 60762USQ03

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To: The Director of the U.S. Patent and Trademark Office: Please record the attached document(s) or the new address(es) below

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		-(00) 50:01	•	<u>~</u>
1. Name of conveying party(ies)	Execution Date(s	<u>):</u>	2. Name and address of r	eceiving party(ies):
Timothy J. Hebrink Carl A. Stover Martin E. Denker Jeffery N. Jackson Kristopher J. Derks Michael F. Weber Anna A. Kobilansky Joan M. Strobel Barry S. Rosell John P. Purcell Kevin M. Hamer Robert D. Taylor William B. Black Richard J. Thompson Gregory L. Bluem Additional name(s) of conveying party(ie	March 24, 200 March 10, 200 March 10, 200 March 10, 200 March 27, 200 March 27, 200 March 10, 200	06 06 06 06 06 06 06 06 06 06 06	3M Innovative Properties P.O. Box 33427 St. Paul, Minnesota 55133 Additional name(s) of receiving ☐ Yes ☑ No	3-3427
	Merger Change of Name Government Interest As	signment		
4. Application or patent number(s	This	document i	s being filed together with a	new application.
A. Patent Application No(s).		B. Pa	tent No(s).	11398338
	Additional Numbers At	tached?] Yes □ No	00000194) 133723 40.00 DR)

04/12/2006 NJMPA 01 FC:6021

PATENT

5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:	
Name: Anna A. Kobilansky Office of Intellectual Property Counsel 3M Innovative Properties Company		
Phone Number: 651-737-8345 Fax Number: 651-736-3833	7. Total fee (37 CFR §§ 1.21(h) & 3.41): \$40.00 Enclosed Authorized to be charged to deposit account	
Customer Number	8. Payment Information:	
	Deposit Account Number: 13-3723 Authorized User Name: Anna A. Kobilansky	
9. Signature: Printed Name of Attorney/Agent: Anna A Kobilansky	Delengly Sporie 4, 2006	

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

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:

Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

Date

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Signature

Registration No.: 53,146

PATENT

Case No.: 60762US003

ASSIGNMENT OF APPLICATION

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

OPTICAL BODIES INCLUDING ROUGH STRIPPABLE BOUNDARY LAYERS AND ASYMMETRIC SURFACE STRUCTURES

\boxtimes	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]): Timothy J.	Family Name or Surname: Hebrink	
Inventor's Signature:	Date: 3/24/08	6
Residence:	Country:	Citizenship:
Scandia, Minnesota	USA	United States of America
STATE OF MINNESOTA) ss. COUNTY OF RAMSEY On this day of		ally appeared the above-named and deed, on the day and year

Assignment

Page 1 of 7

PATENT REEL: 017771 FRAME: 0124

Given Name (first and middle [if any]):	Family Name or Surname:	
Carl A.	Stover	
Inventor's Signature:	Date: 3 -10-06	
(and H. Svor	5 = 10 =	26
Residence:	Country:	Citizenship:
St. Paul, Minnesota	USA	United States of America
ot. Faai, Millioota	55.1	omica diates of fillionisa
STATE OF MINNESOTA)		
) ss.		
COUNTY OF RAMSEY)		
On this day of MM	2.006 before me perso	nally appeared the above-named
Carl A. Stover, and who executed the foregoing instrument, as	s said person's free act and	deed on the day and year
aforesaid.	s data person's nee det und	acca, on the day and year
	Kin A 4	11 times
(Seal) KIM A. ELFSTROM	4 cm U.	Casho WI
Notary Public	Notary Public	U I
Minnesota		·
My Commission Expires January 31, 2010		
Given Name (first and middle [if any]):	Family Name or Surname:	
Martin E.	Denker	
Inventor's Signature:	Date:	······································
Martin E. Denkor	3/10/06	
Residence:	Country:	Citizenship:
Vadnais Heights, Minnesota	USA	United States of America
STATE OF MINNESOTA)		
) ss.		
COUNTY OF RAMSEY)	0.00/-	
On this 10th day of March	before me perso	nally appeared the above-named
Martin E. Denker, and who executed the foregoing instrument,	as said person's free act ar	nd deed, on the day and year
aforesaid.		Callt
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Mine Mine Mine Mine Mine Mine Mine	logat-	
wy Commission Ex	pires January 31, 2010	
Given Name (first and middle [if any]):	Family Name or Surname:	***
Jeffery N.	Jackson	
bollery 14.	Cackson	
Inventor's Signature:	Date: /	
	2/10/00	
Jefgery Jahr	3/10/06	
Residence:	Country:	Citizenship:
Woodbury, Minnesota	USA	United States of America
STATE OF MINNESOTA)	L	
:		
) ss. COUNTY OF RAMSEY)		
1090 1110000	2006	
On this 101 day of 11 10101	,, before me persor	nally appeared the above-named
Jeffery N. Jackson, and who executed the foregoing instrumer	nt, as said person's free act :	and deed, on the day and year
aforesaid.	$1/ \sim 0$	
(Seal) KIM A. ELFSTROM Notary Public		<i>e ii i</i>
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	Johan Public	efoun
	Notary Public	ession

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Page 2 of 7

PATENT REEL: 017771 FRAME: 0125

Given Name (first and middle [if any]):	Family Name or Surn	ame:
Kristopher J.	Derks	
Tablephor U.	001110	
Inventor' Signature:	Date: 3/6/06	
Residence:	Country:	Citizenship:
Woodbury, Minnesota	USA	United States of America
Woodbary, Willinesota	John	office offices of 7 timerica
STATE OF MINNESOTA)		
) ss.		
COUNTY OF RAMSEY)	- 0 / -	
On this 10th day of March	7 DUØ.	
	, 200, before me	e personally appeared the above-named
Kristopher J. Derks, and who executed the foregoin	ig instrument, as said person's f	ree act and deed, on the day and year
aforesaid.	/ .	- C 1 1 1-
	12 1 44.	D 40 LITINA
(Seal) KIM A. ELFSTROM Notary Public Minnesota My Commission Expires January 31, 2010	Notary Public	u. cegsmon
Given Name (first and middle [if any]):	Family Name or Surna	ame:
	1	ano.
Michael F.	Weber	
Inventor's Signature:	Date:	
Mi La OI Miles	March 2	14 2006
Marker I Makes	What the	2/. 2000

Given Name (first and middle [if any]): Michael F.	Family Name or Surname: Weber	
Inventor's Signature: Wither	Date: March 27, 20	006
Residence:	Country:	Citizenship:
Shoreview, Minnesota	USA	United States of America
STATE OF MINNESOTA)) ss. COUNTY OF RAMSEY) On this 21th day of		illy appeared the above-named
Michael F. Weber, and who executed the foregoing instrumen	it, aş said person's free act and	d deed, on the day and year
afo esaid KIM A. ELFSTROM (Sealt Will Notary Public Minnesota My Commission Expires January 31, 2010	Hym a. Ed Notary Public	fstrom

10.0		
Given Name (first and middle [if any]):	Family Name or Surname:	
Anna A.	Kobilansky	
Inventor's Signature:	D-4-:	
inventor's Signature:	Date:	0 /
Shu Well Rolly	March 27	. 2006
Residence:	Country:	Citizenship:
Maplewood, Minnesota $arnothing$	USA	United States of America
STATE OF MINNESOTA)		
) ss. COUNTY OF RAMSEY) 100		
	$2\sqrt{N}$	
	, <u>JUV</u> before me persona	lly appeared the above-named
Anna A. Kobilansky, and who executed the foregoing instrument	t, as sa j d person's free act and	deed, on the day and year
aforesaid.	$1/$ \sim	GAINT
(Seal) KIM A ELFSTROM	FXM U.	(lessuom)
Motary Public Notary Public 内	Notary Public	1)
Winnesota Consission Expires January 31, 2010	·····, · · · · · · · · · · · · · · · ·	C
Lapines Juditudiy 31, 2010		
Given Name (first and middle [if any]):	Family Name or Surname:	
Given Name (first and middle [if any]): Joan M.	Family Name or Surname: Strobel	
	f	
Joan M. Inventor's Signature:	Strobel Date:	
Inventor's Signature:	Date: 3/10/06	
Inventor's Signature: Residence: Residence:	Date: 3/10/66 Country:	Citizenship:
Inventor's Signature:	Date: 3/10/06	Citizenship: United States of America
Inventor's Signature: Residence: Maplewood, Minnesota	Date: 3/10/66 Country:	
Inventor's Signature: Residence: Residence:	Date: 3/10/66 Country:	
Inventor's Signature: Residence: Maplewood, Minnesota STATE OF MINNESOTA) ss. COUNTY OF RAMSEY)	Date: 3/10/66 Country:	
Inventor's Signature: Residence: Maplewood, Minnesota STATE OF MINNESOTA) ss. COUNTY OF RAMSEY)	Strobel Date: 3/10/66 Country: USA	United States of America
Inventor's Signature: Residence: Maplewood, Minnesota STATE OF MINNESOTA) ss. COUNTY OF RAMSEY On this Loth day of	Strobel Date: 3/10/86 Country: USA 206 Defore me personal	United States of America
Inventor's Signature: Residence: Maplewood, Minnesota STATE OF MINNESOTA) ss. COUNTY OF RAMSEY)	Strobel Date: 3/10/86 Country: USA 206 Defore me personal	United States of America
Inventor's Signature: Residence: Maplewood, Minnesota STATE OF MINNESOTA) ss. COUNTY OF RAMSEY On this	Strobel Date: 3/10/86 Country: USA 206 Defore me personal	United States of America
Inventor's Signature: Residence: Maplewood, Minnesota STATE OF MINNESOTA) ss. COUNTY OF RAMSEY On this Dr day of Joan M. Strobel, and who executed the foregoing instrument, as aforesaid. (Seal) KIM A. ELFSTROM	Strobel Date: 3/10/86 Country: USA 206 Defore me personal	United States of America
Inventor's Signature: Residence: Maplewood, Minnesota STATE OF MINNESOTA) ss. COUNTY OF RAMSEY On this	Strobel Date: 3/10/86 Country: USA 206 Defore me personal	United States of America

Given Name (first and middle [if any]):	Family Name or Surnam	ne:
Barry S.	Rosell	
Inventor's Signature:	Date: , ,	
Jours Al Xrell	3/21/06	
Residence:	Country:	Citizenship:
Lake Elmo, Minnesota	USA	United States of America
	00,1	Office States of Afficia
STATE OF MINNESOTA)		
) ss. COUNTY OF RAMSEY) / , , , ,		
91657 114674	1077	
On this // day of day of Barry S. Rosell, and who executed the foregoing instrument, as	s said person's free act a	ersonally appeared the above-named
aforesaid.		induced, on the day and year
MADONNA M. SCHROEDER		<i>J</i> , 1
(Seal) Notary Public Minnesota	Notary Public	
My Commission Expires January 31, 2010	Notary Fublic	
Given Name (first and middle [if any]):	L Comily Name of Comme	
John P.	Family Name or Surname	e.
	T drock	
Inventor's Signature:	Date:	
antimus	3/10/0	6
Residence	Country:	Citizenship:
Oakdele, Minnesota	USA	United States of America
STATE OF MINNESOTA)		
) \$5.		
COUNTY OF RAMSEY)		
On this 10th day of March	_, 2006 before me pe	ersonally appeared the above-named
John P. Purcell, and who executed the foregoing instrument, as	s said person's free act a	nd deed, on the day and year
aforesaid. KIM A. ELFSTROM	1/. 0	60151000
(Seal) Notary Public Minnesota	RIM U.	Essuou
My Comnission Expires January 31, 2010	Notary Public	U
Given Name (first and middle [if any]):	Family Name or Surname	9:
Kevin M.	Hamer	
Inventor's Signature:	Date:	
Vision Mills	3/10/06	
Residence:	Country:	700
St. Paul, Minnesota	USA	Citizenship: United States of America
	00/1	Office Otates of Afficies
STATE OF MINNESOTA)		
) ss. COUNTY OF RAMSEY)		
On this 10th day of 11 arch	2006	
Kevin M. Hamer, and who executed the foregoing instrument, a	s said thereon's free act a	ersonally appeared the above-named
aforesaid.	s said persons nee act a	and deed, on the day and year
(Seal)	Kim /	41 INTIMAL 1
LORAID 1 ATT	:	
NIM A. ELFSTROM	Molany Public	COSTO
Notary Public	Notary Public	Cogosia
NIM A. ELFSTROM	Notary Public	

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Page 5 of 7

Given Name (first and middle [if any]):	Family Name or Surname:	
Robert D.	Taylor	
Inventor's Signature:	Date:	
VI ID DA		
Kours W. J.	3//0/06	
Residence:	Country:	Citizenship:
Stacy, Minnesota	USA	United States of America
STATE OF MINNESOTA)	1	
) ss.		
COUNTY OF RAMSEY)	(
On this Oth day of Much	700Refore me person	ally appeared the above-named
Robert D. Taylor, and who executed the foregoing instrument, a	as said terson's free act and d	leed on the day and year
aforesaid.		
(Seal) KIM A. ELFSTROM	CHMILL Y	DANJAMA >
Notary Dubli-	Notan Plublia	70000
Minnesota	Notary Public	V
My Commission Expires January 31, 2010		
*** *** **** *************************		
Given Name (first and middle [if any]):	Family Name or Surname:	
William B.	Black	i
Inventor's Signature:	Date:	
A Lat. All 1	1	
William Wach	3/10/06	
Residence:	Country:	Citizenship:
Eagan, Minnesota	USA	United States of America
STATE OF MINNESOTA)		
) ss.		
COUNTY OF RAMSEY)		
On this Oth day of Y anch	2000 sefore me persons	ally appeared the above-named
William B. Black, and who executed the foregoing instrument, a	s said person's free act and de	eed on the day and year
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KIM A. ELFSTROM	* in 1) 91	DANTOUL
(Seal) Notary Public	Notary Dublic	genton
Minnesota My Commission Expires January 31, 2010	Notary Public	
2-19-19-19-19-19-19-19-19-19-19-19-19-19-		
Given Name (first and middle [if any]):	Family Name or Surname:	
Richard J.	Thompson	}
Inventor's Signature:	Date:	
B. L. C. 10/1.		
1 Work of thoughton	3-10-06	
Residence:	Country:	Citizenship:
Lino Lakes, Minnesota	USA	United States of America
STATE OF MINNESOTA)		
) ss.		
COUNTY OF RAMSEY)		
On thisOHN day of	200 Gafora ma navana	the appeared the share a series
Richard J. Thompson, and who executed the foregoing instrume	, <u></u>	lly appeared the above-named
aforesaid.	on, as said person's free act a	nd deed, on the day and year
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(Seal) KIM A. ELFSTROM	Trin U. C	equivin
Notary Public Minnesota	Notary P ublic	U
My Commission Expires January 31, 2010		

Case No.: 60762US003

Given Name (first and middle [if any]): Gregory L.	Family Name or Surname: Bluem	
Inventor's Signature: (1) Company C. Telware	Date: 7/10/06	
Residence:	Country:	Citizenship:
St. Paul, Minnesota	USA	United States of America
STATE OF MINNESOTA)) ss. COUNTY OF RAMSEY) On this day of	, 2006 before me persona	lly appeared the above-named
Gregory L. Bluem, and who executed the foregoing instrument,	as said person's free act and d	eed, on the day and year
aforesaid.	Sin a	60 extirm
(Seal) KIM A. ELFSTROM Notary Public Minnesota My Commission Expires, January 31, 2010	Notary Public	Com !!

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RECORDED: 04/05/2006

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Case No.: 60762US003