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(Rev. 10/02) OMB No. 0651-0027 (exp. 6/30/2005)	72279 I U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office TSONLY				
	arks: Please record the attached documents or copy thereof.				
1. Name of conveying party(ies): Simone Monika RITTER	2. Name and address of receiving party(ies):				
Christopher KLEIN Christian SCHENK Frank-Thomas LENTES	Name: SCHOTT AG				
Petra AUCHIER-KRUMMEL	× / · · · · · · · · · · · · · · · · · ·				
Raimer JASCHEK Steffen REICHEL	Internal Address:				
Stehen REICHEL Michael WASCHULEWSKI Stephan KRUEPPER-BRENNBERGER					
Additional name(s) of conveying party(ies) attached? Yes No No Nature of Conveyance:	Street Address: Hattenbergstrasse 10				
Assignment I Merger	City: Mainz State: Germany Zip:55122				
Security Agreement Change of Name					
Other					
Execution Date: December 21, 2005, December 21, 2005, December 21, 2005, December 21, 2005, December 22, 2005, December 21, 2005, December 21, 2005, December 22, 2005	No additional names(s) or address(es) attached 📋 Yes 🛛 No				
4. Application number(s) or patent number(s): If this document is being filed together with a new applicatio A. Patent Application No.(s) 11/223,133	n, the execution date of the application is: B. Patent No.(s)				
Additional numbers attac	hed? 🗍 Yes 🖂 No				
5. Name and address of party to whom correspondence	6. Total number of applications and patents involved: 1				
concerning document should be mailed:	7. Total fee (37CFR 3.41) \$40.00				
Name: MILLEN, WHITE, ZELANO & BRANIGAN, P.C.	Enclosed Authorized to be charged to deposit account				
Address: Arlington Court Plaza I Suite 1400	8. DEPOSIT ACCOUNT NO. 13-3402				
2200 Clarendon BLVD. Arlington, VA 22201	(Attach duplicate copies of this page if paying by deposit account)				
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9. Statement and Signature.	f the foregoing information is true				
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the brighter 11223133 ment. 11 FC:8021 (48.98 DP)					
Anthony J. Zelano, Reg. No. 27,969 Names of Person Signing Signature	January 30, 2006 Date				
Total number of pages including cover sheet, attachments, and docu	ments 6				

Attorney Docket No. KEKO-0016

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		ow named inventor (if o improvement(s) relating) or inventors (if plural inven	tors are named below) hereinafter	referred to as the
t	JSE OF LEAD-FR	EE AND PHOSPHATE	CONTAINING GLASSES IN	A PRECISION MOULDING	PROCESS	19 °-
and for whi	ch one or more of t	he following apply:				•
	J.S. Provisional Aj	plication Serial No.	was filed in the United States	Patent and Trademark Offic	eon .	· •
	U.S. Non-Provisi	ional				
	Applica		3 for Letters Patent was filed in		e was executed on even date. rk Office on September 12, 2005	
,	ND WHEREAS					· ·
		SCHOTT AG Hanenbergsur 55122 Mainz				• .
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hereinafter including a thereon, inc	referred to as the ny and all earlier luding any and al	ASSIGNEE, is desirou r priority rights (U.S.) I renewals, reissues, re	s of acquiring the entire right, and foreign), divisions and co examinations and extensions th	title, and interest in and to a munuations thereof, and an hereof.	said invention and all application by and all Letters Patent which	n(s) listed above, n may be granted
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AND ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to execute any other papers that may be needed in connection with filing said applications and securing Letters Patents thereon.

AND ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on said application, and on any and all divisions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.

The undersigned hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. the power to insert on this assignment information which may be necessary or desirable in order for the United States Patent and Trademark Office to property record this document.

IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR

201 FULL NAME OF SOLE OR FIRST NAMED INVENTOR	INVENTOR'S SIGNATURE	DATE -
Simone Monika RITTER		
202 FULL NAME OF SECOND JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Christopher KLEIN		
203 FULL NAME OF THIRD JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Christian SCHENK		:
204 FULL NAME OF FOURTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Frank-Thomas LENTES		
205 FULL NAME OF FIFTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Peira AUCHTER-KRUMMEL		
206 FULL NAME OF SIXTH JOINT INVENTOR	INVENTOR'S SIONATURE	DATE
Rainer JASCHEK		
207 FULL NAME OF SEVENTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Steffen REICHEL	··· .	
208 FULL NAME OF EIGHTH JOINT INVENTOR	INVENTOR'S SIGNATURE	PATE
Michael WASCHULEWSKI		
209 FULL NAME OF NINTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE.
Stephan KUEPPER-BRENNBERGER	Stiph 12 por Dochor	2414/01

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and for v	: which one o	or more of the follow	aing apply:		•				· :	
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		Application Seri		tiled in the Unite for Lotters Parent w was filed on	as filed in the U		demark Office			
	AND W	HEREAS		:	•					
			SCHOTT AG Hattenbergstrass 55122 Mainz GERMANY	a 10					. :	

hereinafter referred to as the ASSIGNEE, is desirous of acquiring the eatire right, title, and interest in and to said invention and all application(s) listed above. including any and all earlier priority rights (U.S. and foreign), divisions and communitions thereof, and any and all Letture Patent which may be granted thereon, including any and all renewals, reissues, recomminations and extensions thereof.

NOW, WITNESSETH that for good and valuable consideration, the receipt whereof is hareby acknowledged, ASSIGNOR hereby assigns, aclis, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application(s), including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissions, recommations and extensions thereof, and in and to any and all U.S. (including provisional) or foreign priority and/or convection rights of benefits accruing or to accrue with respect to the filling or securing of patents in the United States and/or any countries foreign thereto concerning acid invention, SAID ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and application, including any and all earlier priority rights or accrue with respect to the filling or securing of patents in the United States and/or any countries foreign thereto concerning acid invention, SAID ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and application, including any and all earlier priority rights reexaminations and commons and continuations thereof, any and all Letters Patent which may be granted therefor, including any and all earlier priority rights reexaminations and extensions thereof, including the right to sue for damages occurring before the assignment, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for the use and benefit of ASSIGNEE and its assigns and legal representatives, in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and enjoyed the same, if the assignment had not been made.

AND ASSIGNOR bereby agrees to execute all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to execute any other papers that may be needed in connection with filing said applications and securing Letters Patents thereon.

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IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR

201 FULL NAME OF FOLE OR FILST MAMED INVENTOR	INVENTOR'S SIGNATURE	DATE
Simone Monika RITTER	,:`· .	
201 FULL NAME OF BECOND JOINT INVENTOR	INVENTOR'S SUDVATURE	DATE
Christopher KLEIN	Iliater Ta	21-12:2005
202 PULL NAME OF THORD JUINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Christian SCHENK		
204 PULL NAME OF FOURTH HONT INVENTOR	INVENTOR SIGNATURE	DATE
Frank-Thomas LENTES		
203 FULL NAME OF FIFTH JOINT INVENTOR	INVENTOR'S STONATURE	DATE
Petra AUCHTER-KRUMMEL	·	
206: FULL NAME OF SECTH KINT INVENTOR	INVENTOR'S REMATURE	TAD
Reiner JASCHEK		
207 FLEL NAME OF SEVENTE JOINT INVENTOR	INVENTOR'S SIGNATURS	DATE
Steffen REICHEL		
208 FULL NAME OF EXATH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Michael WASCHULEWSKI	•	· · · · · · · · · · · · · · · · · · ·
SOP FULL HAME OF NINTH JOINT INVENTOR	ENVENTOL'S EIGNATURE	DATE
Stephan KUEPPER-BRENNBERGER		

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Suptan XUEPPER KAPNONAKEGER		· .	

PATENT REEL: 017518 FRAME: 0653

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ASSIGNMENT

ATTY. DOCKET NO. KEKO-0016

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WHEREAS the below named inventor (if only one inventor is named below) or inventors (if plural inventors are named below) hereinalter referred to as the ASSIGNOR inventor a certain interovement(s) relating to

USF OF LEAD-FREE AND PHOSPHATE CONTAINING GLASSES IN A PRECISION MOULDING PROCESS

and for which one or more of the following apply:

U.S. Provisional Application Senal No. was filed in the United States Parent and Trademark Office on

SCHOTT MAINZ PATENTE

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 application for Leners Patent to be filed in the United States Patent and Trademark Office was exposed on even date. Application Serial No. 11/23,133 for Leners Patent was filed in the U.S. Patent and Trademark Office on September 12, 2005 as International Application No was filed on designaling the United States

AND WHEREAS

SCHOTT AG Hanenbergstrasse	10
55122 Maine GERMANY	
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hereinater reforted to as the ASSIGNEE, is desirous of acquiring the order right, rice, and interest in and to said invention and all application(s) listed above, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations and extensions thereof.

NOW, WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged. ASSIGNOR hereby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application(s), including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reisues, reasoninations and excursions thereof, and in and to any and all U.S. (including provisional) or foreign priority and/or convention tights or busits accound be to accure with respect to the filing or accuring of patents in the United States and/or any countries foreign priority and/or convention tights or busits accound be to accure with respect to the filing or accuring of patents in the United States and/or any countries foreign priority and/or convention, SAID ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and application, including any and all excites to have, hold, exercise, and enjoy said invention and application, including any and all nearests recommending and exercisions thereof, and all Lotters Fatent which may be granted therefor, including any and all nearests recommentions and exercisions thereof, and all Lotters Fatent which may be granted therefor, including any and all nearests recommentions and exercisions thereof, for and during the term or errors of any and all such Lotters Fatent, which shows and all such Lotters Fatent when granted, including any and all renewals, reasons, reasons granted thereof. for and during the term or errors of ASSIGNEE and legal representatives, and arrited and hereficial a manner to all internst and purposes as the ASSIGNOR might or could have held and enjoyed the same, if the assignment had hot been indee.

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IN TESTIMONY WHEREOF this essignment is executed by ASSIGNOR

DOL FILL HAME UF SOLL OR SINST MANEED REVENTON	INVENTOR'S SIGNATURE	DATE
Simone Monika RITTER		
202 FULL NAME OF SECOND JOINT INVENTOR	INVENTORS SUSANIURE	· CATE
Christopher KLEIN		
DI FULL NAME OF THIRD IGINT INVENTOR	AVENOUS SIDNATURE	GATE
Christian SCHENK	hadran Shenk	05/12/21
204 FULL NAME OF FOURTH JOINT ON ENTOR	INVENTURE SIGNATURE	DATE
Frank-Thomas LENTES		-
203 FUL NAME OF ISTA JOINT INVENTOR	INVENTORTSIGNATULE	DATE
Petra AUCHTER-KRUMMEL		
SDA FULL AAM & OF SIXTH JOINT INVENTOR	- INVENTOR'S LIGHAT UNE	DATE
Rainer JASCHEK	Kames Jasleen	05/12/21
207 PULL NAME OF SEVENTH JOINT IN VENTOR	INVERTORS NUMATURE	OATE .
Steffen REICHEL		
208 - PULL PANE OF ELERITH JOINT DIVENTOR	AN ENTONY SICHATURE	PATE
Michael WASCHULEWSKI	hall want-	05/12/21
209 PULL NAME OF MINCH JUINT INVENTOR	INVENTOR'S SEENA FURE	PATE
Suphan KUEPPER-BRENNBERGER	· .	

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RECORDED: 01/30/2006