To the Honorable Assistant Secretary at thereof.  1. Name of conveying party(ies):  Eiji OKABE and Yoshitaka TOMI  Additional name(s) of conveying party(ies) stached? No  3. Nature of conveying party(ies) stached? No  4. Assignment  5. Security Agreement  6. Change of Name  7. Other  7. Other Application number(s) or patent number(s):  8. Patent Application No.(s)  Additional numbers attached? No  5. Name and address of party to whom correspondence concerning document should be mailed:  Name: WENDEROTH, LIND & PONACK, L.L.P.  Attn. Michael R. Davis, ESG.  Street Address: 2033 K Street, N.W., Suite 800  City: Washington. State: DC ZIP: 20006-1021  Do NOT USE THIS SPACE  9. Statement and signature.  7. Total ifee (37 CFR 3.41)\$40.00  Authorized to be charged to deposit account)  Do NOT USE THIS SPACE  Deposit account number: 23-0875  (Attach duplicate copy of this page if paying by deposit account)  Michael R. Davis, Reg. No 25.134  Name of Person Signing  Total number of pages including cover sheet  Total number of pages inclu	FORM PTO 1595 (modified)	12-11-200	3 HEET	U.S. DEPARTMENT OF COMMERCE
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Name: (1) CHISSO PETROCHEMICAL CORPORATIVE Street Address: 13-1, Kachidoki 3-chome, Chuo-ku City: Tokyo Country: Japan  Name: (2) CHISSO CORPORATION Street Address: 6-32, Nakanoshima 3-chomeokifa-ku Osaka-shi City: Osaka Country: Japan Osaka-shi Osaka-shi City: Osaka Country: Japan Osaka-shi City: Osaka Country: Japan Osaka-shi Osaka-shi Osaka-shi City: Osaka Country: Japan Osaka-shi Osaka-shi Osaka-shi City: Osaka Osaka-shi Os		102620019	rks: Please r	ecord the attached original docume
Name: (1) CHISSO PETROCHEMICAL CORPORATION Additional name(s) of conveying party(les) attached? No  Nature of conveyance:  X. Assignment	Name of conveying party(ies):			eceiving party(ies):
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Street Address: 6-32, Nakanoshima 3-chome Kita-kur.  Assignment	Additional name(s) of conveying party(ies) attach	ed? <u>No</u>	and	
Security Agreement Change of Name City: Osaka Country: Japan Additional name(s) & address(es) attached? No	Nature of conveyance:			
Execution Date: November 14, 2003  4. Application number(s) or patent number(s):  If this document is being filed together with a new application, the execution date of the application is: November 13, 2003  A. Patent Application No.(s)  Additional numbers attached? No  5. Name and address of party to whom correspondence concerning document should be mailed:  Name: WENDEROTH, LIND & PONACK, L.L.P. Attn: Michael R. Davis , Esq.  Street Address: 2033 K Street, N.W., Suite 800  City: Washington, State: DC ZIP: 20006-1021  DO NOT USE THIS SPACE  9. Statement and signature.  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 original document.  Michael R. Davis , Reg. No. 25.134  Name of Person Signing  Total number of pages including cover sheet information:  Mail documents to be recorded with required cover sheet information:  Mail documents to be recorded with required cover sheet information:  Mail documents to be recorded with required cover sheet information:  Mail documents to be recorded with required cover sheet information:  Mail document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regard burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and the Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.	Security Agreement			Japan 8.6
If this document is being filed together with a new application, the execution date of the application is:  A. Patent Application No.(s)  Additional numbers attached? No  5. Name and address of party to whom correspondence concerning document should be mailed:  Name: WENDEROTH, LIND & PONACK, L.L.P. Attn. Michael R. Davis, Esq.  Street Address: 2033 K Street, N.W., Suite 800  City: Washington, State: DC ZIP: 20006-1021  DO NOT USE THIS SPACE  9. Statement and signature. 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 originature. 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 originature.  Michael R. Davis, Reg. No. 25.134 Name of Person Signing  Do not detech this portion  Mail documents to be recorded with required cover sheet information:  Commissioner and Assistant Secretary of Patents and Trademarks  Box Assignments  Washington, D.C. 20231  Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regard burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and the Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.		<u> </u>	Additional name(s) & address(es	) attached? No
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5. Name and address of party to whom correspondence concerning document should be mailed:  Name: WENDEROTH, LIND & PONACK, L.L.P. Attn: Michael R. Davis , Esq.  Street Address: 2033 K Street, N.W., Suite 800  City: Washington, State: DC ZIP: 20006-1021  DO NOT USE THIS SPACE  9. Statement and signature. 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 original document.  Michael R. Davis , Reg. No. 25,134 Name of Person Signing  Do not detach this portion  Mail documents to be recorded with required cover sheet information:  Commissioner and Assistant Secretary of Patents and Trademarks  Box Assignments  Washington, D.C. 20231  Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regardiburden estimate to the U.S. Patent and Trademark Reduction Project (0861-0011), Washington, D.C. 20503.	(-)	Additional numbers		
Attn: Michael R. Davis _ Esq.  Street Address: 2033 K Street, N.W., Suite 800  City: Washington, State: DC ZIP: 20006-1021  DO NOT USE THIS SPACE  9. Statement and signature. 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 original document.  Michael R. Davis _ Reg. No. 25.134 Name of Person Signing  Do not detach this portion  Mail documents to be recorded with required cover sheet information:  Mail documents to be recorded with required cover sheet information:  Commissioner and Assistant Secretary of Patents and Trademarks  Box Assignments  Washington, D.C. 20231  Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regardiburden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and the Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.		correspondence		ations and patents involved: 1
Street Address: 2033 K Street, N.W., Suite 800  City: Washington, State: DC ZIP: 20006-1021  DO NOT USE THIS SPACE  9. Statement and signature.  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 original document.  Michael R. Davis, Reg. No. 25,134 Name of Person Signing  Do not detach this portion  Mail documents to be recorded with required cover sheet information:  Do not detach this portion  Mail documents to be recorded with required cover sheet information:  Commissioner and Assistant Secretary of Patents and Trademarks  Box Assignments  Washington, D.C. 20231  Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and the Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.		IACK, L.L.P.	7. Total fee (37 CFR 3.41)	) \$ <u>40.00</u>
8. Deposit account number: 23-0975  (Attach duplicate copy of this page if paying by deposit account)  DO NOT USE THIS SPACE  9. Statement and signature.  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 original document.  Michael R. Davis , Reg. No. 25.134 Name of Person Signing  Total number of pages including cover sheet  OMB No. 0651-0011 (exp. 4/94)  Do not detach this portion  The conversion of the conversi		., Suite 800		
9. Statement and signature.  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 original document.  Michael R. Davis , Reg. No. 25,134 Name of Person Signing  December 4, 2003 Date  Total number of pages including cover sheet  OMB No. 0651-0011 (exp. 4/94)  Do not detach this portion  THE CONVESIONER IS ANTHOROUGH THE  HELLOR THIS FALL TO DEPOSIT  ACCOUNT NO. 23-0275.  Commissioner and Assistant Secretary of Patents and Trademarks  Box Assignments  Washington, D.C. 20231  Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regard burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and the Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.	City: <u>Washington</u> , State: <u>DC</u> ZIP: 2	<u>20006-1021</u>		<del></del>
9. Statement and signature.  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 original document.  Michael R. Davis , Reg. No. 25,134 Name of Person Signing  Total number of pages including cover sheet  OMB No. 0651-0011 (exp. 4/94)  Do not detach this portion  Mail documents to be recorded with required cover sheet information:  Commissioner and Assistant Secretary of Patents and Trademarks  Box Assignments  Washington, D.C. 20231  Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regardiburden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and the Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.		DO NOT USE T		page if paying by deposit account)
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 original document.  Michael R. Davis , Reg. No. 25,134 Name of Person Signing  December 4, 2003 Date  Total number of pages including cover sheet  OMB No. 0651-0011 (exp. 4/94)  Do not detach this portion  The Converse is Authorized.  To Charles Any DEFORM THE  HELDER THE FORM SOCKLER IS AUTHORIZED.  ACCOUNT No. 23, 0375.  Commissioner and Assistant Secretary of Patents and Trademarks  Box Assignments  Washington, D.C. 20231  Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and the Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.				
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PATENT REEL: 014764 FRAME: 0850

## ASSIGNMENT

	In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned
	Eiji OKABE and Yoshitaka TOMI
Insert Name(s) of Inventor(s)	
	the undersigned hereby sell(s) and assign(s) to
Insert Name(s) of Assignee(s)	CHISSO PETROCHEMICAL CORPORATION of 13-1, Kachidoki 3-chome, Chuo-ku, Tokyo, Japan
Address	CHISSO CORPORATION of 6-32, Nakanoshima 3-chome, Kita-ku, Osaka-shi, Osaka, Japan
	(hereinafter designated as the Assignee) the entire right, title and interest for the United States as defined in 35 USC 100, in the invention known as
Title of Invention	LIQUID CRYSTAL COMPOSITION AND LIQUID CRYSTAL DISPLAY ELEMENT
Date of Signing of Application	for which an application for patent in the United States has been executed by the undersigned on  November 14, 2003
	The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing divisional or reissue applications thereof and also to execute separate assignments in connect

tion with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

> **PATENT** REEL: 014764 FRAME: 0851

COS10449

The undersigned hereby grant(s) the firm of WENDEROTH, LIND & PONACK, L.L.P., 2033 K Street, N.W., Suite 800, Washington, DC 20006, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

Date Name of Inventor   September 14, 2003   Name of Inventor   September 150   Name of Inventor   September 16, 2003   Name o		in witness whereof, exect	ived by the undersign	nea on the date(	s) opposite the un	dersigned name(s). Eiji
Date	Date _	November 14, 2003.	Name of Inventor	Eiji e	Phabe	OKABE
Date	Date _	Nomber 14. 2003	Name of Inventor.	Toshi take	· Tomi	Yoshitaka TOMI
Date						
This assignment should preferably be acknowledged before a United States Consul. If not, then the execution by the Inventor(s) should be witnessed by at least two witnesses who sign here.)  Witness  Witness  ACKNOWLEDGEMENT  Ss  This						
This assignment should preferably be acknowledged before a United States Consul. If not, then the execution by the Inventor(s) should be witnessed by at least two witnesses who sign here.)  Witness  Witness  ACKNOWLEDGEMENT  Ss  This	Date _		Name of Inventor			
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to me personally known as the individual(s) who executed the foregoing assignment, who did acknowledge to me that he (they) executed the same of his (their) own free will for the purposes therein set forth.  Official Signature  Official Title  The above application may be more particularly identified as follows:  U.S. Application Serial No		Witness Id	ACKNOWLE	nimure		
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Official Title  The above application may be more particularly identified as follows:  U.S. Application Serial No	to me ;	personally known as the indi	vidual(s) who executed for his (their) own free	d the foregoing a will for the purp	ssignment, who die	d acknowledge to morth.
Official Title  The above application may be more particularly identified as follows:  U.S. Application Serial No	CE AT			(	Official Signature	
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	U.S. A	Application Serial No.		Filing Da	ate	

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