07-06-1998



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MRD 6-23-98

PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Hiroshi KINOSHITA et al.

Serial No.: 09/066,841

Filed: April 28, 1998

For: LIQUID CRYSTAL DISPLAY DEVICE AND ITS DRIVING METHOD

## ASSIGNMENT TRANSMITTAL LETTER

Honorable Assistant Commissioner of Patents and Trademarks Washington, D.C. 20231

Sir:

STANTON A STANTAGE OF BROKEN STANTAGE

Please record the attached Assignment in the name of the assignor and the assignee as indicated below and return the original document to the undersigned.

- Name of Conveying Party(ies):
  - Hiroshi KINOSHITA and Toshihiko KAMIZONO.
- 2. Name and Address of Receiving Party(ies):

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. 1006, Oaza Kadoma, Kadoma-shi, Osaka 571, JAPAN.

- 3. Execution Date of Assignment: June 8, 1998.
- 4. If this Assignment is being filed together with a new application, the execution date of the application is: <u>June 8</u>, 1998.

PATENT REEL: 9274 FRAME: 0250

Total number of applications and patents involved: one. 5.

All correspondence should be addressed to:

Roger W. Parkhurst PARKHURST & WENDEL, L.L.P. Suite 210 1421 Prince Street Alexandria, VA 22314-2805.

The Assignment recordation fee (\$40.00) is covered by our attached Check Number 10509

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. Total number of pages including cover sheet, attachments and document three.

If there should be any questions concerning the amount of the fee or should our check become detached, please debit or credit our Deposit Account Number 16-0331 as needed in order to effect proper filing of the attached document.

Respectfully submitted,

Roger W. Parkhurst Registration No. 25,177

Lawrence D. Eisen

Registration No. 41,009

PARKHURST & WENDEL, L.L.P.

RWP:LDE/ak

Attorney Docket No. MEIC:027

PARKHURST & WENDEL, L.L.P. 1421 Prince Street, Suite 210 Alexandria, Virginia 22314-2805

Telephone: (703) 739-0220

- 2 -

## ASSIGNMENT

A1574

1.5   Insert Names of   Inventorial   1.3   1.3   1.7   1.5   1.			(1)	<u> Iiroshi KIN</u>	OSHIT'A	(5)	The second secon		
In consideration of the sum of dollar (\$).00) and other good and valuable consideration paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to  199 Itoen name of Assignee (19) MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.  109 Itoen name of Assignee (19) MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.  100 Itoen address of Anaguse (10) 1006, Ozaz Kadorna, Kudorna-shi, Ozaka, 571, Japan.  101 their identification of the certain of the control of the control of the invention, and all applications for patent and any Letters Patent which may be granted therefor, known as  101 Inter Identification of the control			(2)	ľoshihiko KA	AMIZONO	(6)			
In consideration of the sum of dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, tenusfer and set over to provide the undersigned agree(s) to assign, and hereby does assign, tenusfer and set over to provide the undersigned agree(s) to assign, and hereby does assign, tenusfer and set over to the undersigned agree(s) to assigne.  (10)	(1-8)	Insert Name(s) of Inventor(s)	(3)	- PANESSA - CONTRACTOR - AND CONTRACTOR -	Addition to the second of the	(7)			
paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to  (9)			(4)		The state of the s	(8)			
the serial address of Assignee the Color of States and the Assignee) the entire right, title and interest for the United States. Is territorics, dependencies and possessions, in the invention, and all applications for patent and any Letters Patent which may be granted therefor, known as a nature.  Class Number or Foreign Application of Invention, auch as Tatle.  Class Number or Foreign Application Number  To which the undersigned has (have) executed an application for patent in the United States of America  (12) Insert Date of Signing of Application  (13) Alternative identification for Interest of America  (14) Insert Date of Signing of Application  (15) Alternative identification for Interest of America  (16) Insert Date of Signing of Application  (17) Interest Date of Signing of Application  (18) Alternative identification for Interest of America  (19) Insert Date of Signing of Application  (19) Interest Date of Signing of Application  (19) Alternative identification for Interest of America  (19) Interest Date of Signing of Application  (19) Alternative identification for Interest Date of America  (19) The undersigned agree(s) to execute all papers necessary in connection with the application and any continuing or divisional applications thereof and also to execute all papers necessary in connection with such applications as the Assignee may deem necessary or expecient.  (2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.  (3) 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.  (4) The undersigned hereby authorizes synthematic acts which may be necessary to obtain a grant of a va			paid to ea	ich of the une	dersigned, the u				
thereinalter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, in the invention, and all applications for patent and any Letters Patent which may be regranded therefor. known as a full, forest identification of Invention, such as Tule, Case Number or Foreign Application Number of Foreign Application Number of Foreign Application Number of Foreign Application Number of Application Number of Application Number of Application States of America (12) Insert Date of Signing of Applications of America (13) U.S. application Serial Number 99/056, 841 for titled applications for fitted applications for fitted applications for fitted applications for fitted applications thereof and also to execute all papers necessary in connection with the application as at the Assignee may deem necessary or expedient.  2) The undersigned agree(s) to execute all papers necessary in connection with such applications as the Assignee may deem necessary or expedient.  2) The undersigned agree(s) to execute all papers necessary in connection with the application and any continuition or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.  3) 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.  4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grain of a valid United States patent to the Assignee.  5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the Cinited States resulting from said application or any divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) not executed any will not execu	(9)	Insert name of Assignee	(9)	MATSUSHIT	TA ELECTRIC	INDUSTRIAL CO.,	LTD.		
States, its territories, dependencies and possessions, in the invention, and all applications for patent and any Letters Patent which may be granted therefor, known as   [11] International teaching and a strike, Cace Number or Foreign Application Number    [12] Application Number    [13] Application Number    [14] Or which the undersigned has (have) executed an application for patent in the United States of America    [15] Alternate identification    [16] Application    [17] The undersigned agree(s) to execute all papers necessary in connection with the application and any continuing or divisional applications therefor and also to execute all papers necessary in connection with the application and any continuing or divisional applications therefor and also to execute all papers necessary in connection with the application and any continuing or divisional applications therefor and also to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignce in every way possible in obtaining evidence and going forward with such interference  [3] 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 smillar agreements.  [4] 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 smillar agreements.  [5] The undersigned perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.  [5] The undersigned perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.  [6] The undersigned perform all affirmative acts which may be necessary to obtain a grant of a valid United S	(10)	Insert address of Assignee	(10)	(10) 1006, Oaza Kadoma, Kadoma-shi, Osaka, 571, Japan.					
Case Number or Foreign Application Number  for which the undersigned has (have) executed an application for patent in the United States of America  (12) Insert Date of Signing of (12 on June 8, 1998  Application  (13) U.S. application Serial Number  (14) Op/066, 841  (15) Alternative identification  for filed application  (16) Alternative identification  for filed applications  filed April (18) 1998  1) The undersigned agree(s) to execute all papers necessary in connection with the application and any continuing or divisional applications thereof and also to execute separate assignments in connection with the application as the Assignee may deem necessary or expedient.  2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.  3) 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.  4) 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.  4) The undersigned agree(s) to perform all affirmative acts which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.  5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the entire interest, and hereby covenants that he has (they have) tall 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.  6) The undersigned			States, its	territories, c	lependencies and	l possessions, in the	invention, and all applications		
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for which the undersigned has (have) executed an application for patent in the United States of America  (12) Insert Date of Signing of Application  (13) U.S. application Serial Number				ANI	C:	ase No.	MEIC:027 )		
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Application  Alternative identification  for filed applications  filed  April 28, 1998  1) The undersigned agree(s) to execute all papers necessary in connection with the applications as the Assignee may deem necessary or expedient.  2) The undersigned agree(s) to execute all papers necessary in connection with such applications as the Assignee may deem necessary or expedient.  2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.  3) 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.  4) 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.  5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the Clinical States resulting from said application or any divisions or continuing 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.  6) The undersigned hereby grant(s) the firm of PARKHURST & WENDEL, L.L.P. 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 and Trademark Office recordation of this document.  In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).  Date Name of Inventor (SEAL)  Date Name of Inventor (SEAL)  Date Name of Inventor (SEAL)  This	(12)	Insert Date of Signing of			ne 8, 1998				
for field applications  filed April28, 1998  1) The undersigned agree(s) to execute all papers necessary in connection with the application and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.  2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.  3) 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.  4) 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.  4) 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.  5) 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 divisions or continuing 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.  6) The undersigned hereby grant(s) the firm of PARKHURST & WENDEL, L.L.P. 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 and Trademark Office recordation of this document.  In witness w	(3-7)								
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In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).  Date June 8, 1998 Name of Inventor Hinski Konoskita (SEAL)  Date June 8, 1998 Name of Inventor CEAL  Date Name of Inventor (SEAL)  This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A or (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:	with cl patent United entire i have) I	ning this application or continuation to and going forward with such into a many such a ma	on or division or division erference. execute all onal Conver perform all orize(s) and on or any one he has (they any agreement(s) the firm	papers and dution for Protaffirmative a request(s) this is represented in the papers of the papers o	ocuments and pection of Industricts which may be Commissione ontinuing application to convey the therewith.	erform any act which rial Property or similate necessary to obtain a rof Patents to issue ations thereof to the ne entire interest here.  NDEL, L.L.P. the property of the pro	n may be necessary in connect lar agreements. In a grant of a valid United States any and all Letters Patents of said Assignee, as Assignee of ein assigned, and that he has (to	the they	
Date June 8, 1998 Name of Inventor Hinski Konoshita (SEAL)  Date June 8, 1998 Name of Inventor Technicka Kamiyana (SEAL)  Date Name of Inventor (SEAL)  This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A or (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:  Date June 8, 1998 Witness	Office		v the unde	reigned on t	he detect onne	scite the undersigne	d nama(s)		
Date		Date June 8, 1998	Name (	of Inventor	Hiroshi	Kinoshita	(SEAL)		
Date		Date June 8, 1998	Name (	of Inventor _	Torkika	Kamigone	(SEAL)		
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DateName of Inventor(SEAL)  DateName of Inventor(SEAL)  DateName of Inventor(SEAL)  This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A or (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:  DateIune 8 _ 1998Witness		Date	Name (	of Inventor_			(SEAL)		
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PATENT

RECORDED: 06/23/1998 REEL: 9274 FRAME: 0252