Atty. Dkt. No. 047912/0130 09-27-2000 FORM PTO-1595 (modified) U.S. DEPARTMENT OF COMMERCE (Rev 6-93) RE SHEET Patent and Trademark Office 1-20-00 101473317 To the Commissioner of Patents and Trademarks: Please record the attached original documents or copies thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Hiroshi TAKEDA NEC CORPORATION 7-1, Shiba 5-chome, Minato-ku, Tokyo, JAPAN NO Additional conveying party(ies) 3. Nature of conveyance: ASSIGNMENT **Execution Date:** August 18, 2000 Additional name(s) & address(es) attached? NO 4. Application number(s) or patent number(s): NO If this is being filed together with a new application, the execution date of the application is: B. Patent Number(s): A. Patent Application Number(s): 09/609,254 Additional numbers attached? NO 5. Name and address of party to whom correspondence 6. Total number of applications/patents involved: 1 concerning document should be mailed: \$40.00 7, Total fee (37 C.F.R. § 3.41): David A. Blumenthal X Check Enclosed FOLEY & LARDNER Washington Harbour Charge to deposit account 3000 K Street, N.W., Suite 500 8. Deposit account 19-0741 Washington, D.C. 20007-5109 number: 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. The Commissioner is hereby authorized to charge any additional recordation fees which may be required in this matter to the above-identified deposit account.

Name of person signing

d A. Blumenthal

Signature

Date

September 20, 2000

Total number of pages including cover sheet, attachments, and document: 2

09/27/2000 NTHAI1

01 FC:581

00000068 09609654 40.00

40.00 BP

U.S. Rights-Sole or Joint

ASSIGNMENT

(hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to his invention relating to

Active Matrix Type Liquid Crystal Display Drive Control

title of Apparatus invention

name and

address of

assignee

as set forth in his United States Patent Application

check one	axecuted co	encurrently herewith		
	axecuted on			
	图 Serial No	09/609, 254	Filed	June 30, 2000

in and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to said ASSIGNEE, its successors or assigns in accordance herewith;

Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he has not executed and will not execute any document or instrument in conflict herewith:

Each of the undersigned further covenants and agrees he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention;

Each of the undersigned hereby grants the firm of FOLEY & LARDNER the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

NAMES AND SIGNATURES OF INVENTORS				
Name: Hiroshi TAKEDA	Signature: Mulashi Takedo (#)	Date:18/08/20		
Name:	Signature:	Date:		
Name:	Signature:	Date:		
Name:	Signature:	Date:		
NAMES AND SIGNATURES OF WITNESSES				
Name:	Signature: Netala: (llai	Date: 18/08/20		
Name:	Signature: The Miles	Date:18/08/200		

Note: Prima facie evidence of execution may optionally be obtained by execution of this document before a U.S. Consul or before a local officer authorized to administer paths whose authority is proved by a certificate from a U.S. Consul.

PATENT
RECORDED: 09/20/2000 REEL: 011102 FRAME: 0177