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Name	Shahan Islam, Esq.
Address (line 1)	Friedman Siegelbaum, L.L.
Address (line 2)	Seven Becker Farm Road
Address (line 3)	Roseland, NJ 07068
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Correspondent Name and Address	Area Code and Telephone Number	(973)992-1990
Name	Shahan Islam, Esq.	
Address (line 1)	Friedman Siegelbaum, LLP	
Address (line 2)	Seven Becker Farm Road	
Address (line 3)	Roseland, New Jersey 07068	
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Method of Payment: Enclosed Deposit Account

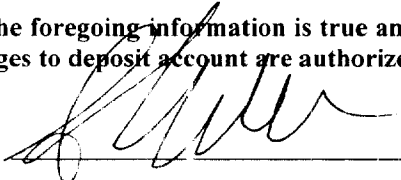
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Shahan Islam, Esq.  November 8, 1999

Name of Person Signing Signature Date

ASSIGNMENT (JOINT)

WHEREAS, WE, Minoru Hiraga and Hiroshi Yamaguchi,
Inventor's Name

ASSIGNOR, a citizen of Japan, residing at 629 Oshiba, Mobara, Chiba, Japan; 629 Oshiba, Mobara, Chiba, Japan
Country Home Address

respectively, are the inventors of the invention in CONTROLLER DRIVER FOR DISPLAY DEVICE AND DRIVING METHOD
THEREOF for which I have executed an application for a Patent of the United States; and

- which is executed on even date herewith or _____
Date of Execution
- which is identified by Friedman Siegelbaum Docket No. _____
- which was filed on _____, Serial No. _____

WHEREAS, Futaba Denshi Kogyo Kabushiki Kaisha, 629 Oshiba, Mobara, Chiba, Japan,
Name of Assignee

ASSIGNEE is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, or will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures

Date: Oct. 20, 1999 Mimoru Hiseaga
Signature

Date: Oct. 16, 1999 Hiroshi Yamaguchi
Signature

P:\USERS\KEIKO\FORMS\1ASSIGNME.WPD