Atty Docket No.: 24

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U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

To the Director of the United States Patent and Trademark Office. Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Yukio TANIGUCHI, Masakiyo MATSUMURA, Hirotaka Advanced LCD Technologies Development Name: YAMAGUCHI, Mikihiko NISHITANI, Susumu TSUJIKAWA, Center Co., Ltd. Yoshinobu KIMURA, and Masayuki JYUMONJI Address: 292 Yoshida-cho, Totsuka-ku, Yokohama, 244-0817 Japan Additional name(s) of conveying party(ies) attached? 

Yes No 3. Nature of Conveyance: Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Other Execution Date: July 9, 2003 Additional name(s) and address(es) attached? 

Yes 
No 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: July 9, 2003 A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached? 

Yes No 5. Name and address of party to whom correspondence 6. Total applications and patents involved: 1 concerning document should be mailed: 7. Total fee (37 CFR 3.41): \$40.00 Enclosed ☐ Authorized to be charged to deposit account 8. Deposit account number: 15-0030 Tel. (703) 413-3000 Fax. (703) 413-2220 (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. Marvin J. Spivak Name of Person Signing James D. Hamilton Registration No. 28,421 Registration Number: 24,913 Total number of pages including this cover sheet: 3 Do not detach this portion 07/24) Anis documents to the recorded syith required cover sheet information to: 40 Diractor of the United States Patent and Trademark Office 05 FC:8021 Mail Stop Assignment Recordation Services Alexandria, Virginia. 22313 07/24/2003 HTECKLU1 00000034 10624555 05 FC:8021

> PATENT REEL: 014324 FRAME: 0765

## ASSIGNMENT

In consideration of value received, I, having a residence and mailing address as stated below next to my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled:

CRYSTALLIZATION APPARATUS, CRYSTALLIZATION METHOD, THIN FILM TRANSISTOR AND DISPLAY APPARATUS

said application having been filed on and assigned Application No.; sell and assign to Advanced LCD Technologies Development Center Co., Ltd. a corporation of Japan, having a business address at 292 Yoshida-cho, Totsuka-ku, Yokohama, 244-0817 Japan

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said application for United States patent: (check one)

- × executed concurrently herewith;
- executed separately herefrom;

and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invension in all countries.

I hereby grant the following law firm 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 U.S. Patent and Trademark Office for recordation of this document.

Oblon, Spivak, McClelland, Maier & Neustadt, P.C., 1940 Duke Street, Alexandria, Virginia 22314

PATENT REEL: 014324 FRAME: 0766

## ASSIGNMENT

Inventor: (Signature)	Date	Residence and mailing address
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