

03-20-2003



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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
ASSIGNMENT BRANCH

Watts, Hoffmann, Fisher & Heinke Co., L.P.A.  
P.O. Box 99839  
Cleveland, Ohio 44199-0839  
Telephone: (216) 241-6700  
Docket No.: 16-227

Assistant Commissioner for Patents  
**ATTENTION: ASSIGNMENT BRANCH**  
Washington, D. C. 20231

3-18-03

Dear Sir:

Please record the attached original document(s) or copy thereof as follows:

*Conveying Party:* Nick Martin Miller, IV  
*Receiving Party:* Kent Displays Incorporated  
*Address:* 343 Portage Boulevard  
Kent, Ohio 44240

*Nature of Conveyance:* Assignment

*Date of Execution:* March 10, 2003

Please record against:

*Patent No(s):*  
*Application No(s):* 10/352,496  
*No. of Patent(s):* No. of Application(s): 1

*If this document is being filed together with a new application, the execution date of the application is: . (Payment for the recordal fees has been included in the check in the amount of \$ accompanying the application.)*

(or)

A check in the amount of \$40.00 for the recordal fees is enclosed.

XX Please charge any additional fees, or credit any overpayment, to Deposit Account 23-0630.

FINANCE SECTION  
MAR 19 AM 10:45  
RECORDED

I hereby certify that this paper is true and correct with the U. S. Postal Service as 1st Class Mail addressed to the Assistant Commissioner of Patents, Washington, D. C. 20231

31303  
Patty Jones

03/19/2003 LMUELLER 00000175 10352496

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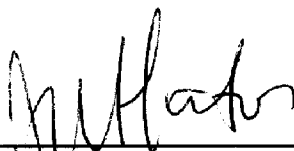
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PATENT  
REEL: 013855 FRAME: 0851

Total number of pages including cover sheet, attachments and document: 3

To my best knowledge and belief, the foregoing information is true and correct. Please correspond with Watts, Hoffmann, Fisher & Heinke at the above address.

Respectfully submitted,



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March 13, 2003

Date

Jennifer Nock Hinton

Reg. No.:47,653

**ASSIGNMENT**

IN CONSIDERATION of One Dollar and other good and valuable consideration, receipt of which is hereby acknowledged, I, Nick Martin Miller, IV, a citizen of the United States of America, and residing at 3512 Industry Road, Rootstown, Ohio 44272, do hereby sell, transfer, set over and assign unto Kent Displays Incorporated, a Delaware corporation with a principal place of business at 343 Portage Blvd, Kent, Ohio 44240, its successors, assigns, nominees, or other legal representatives, (hereinafter referred to as ASSIGNEE) the entire right, title and interest in and to the invention entitled WAVEFORM SEQUENCING METHOD AND APPARATUS FOR A BISTABLE CHOLESTERIC LIQUID CRYSTAL DISPLAY, invented by me and the application for United States patent therefor, Serial No. 10/352,496, filed January 28, 2003 and all original and reissued patents granted therefor, and all divisions and continuations thereof, including the subjects-matter of any and all claims which may be obtained in every such patent, and the right to apply for and obtain patents in countries foreign to the United States, and in and to any Letters Patent which may be granted thereon in such foreign countries, and authorize and request the Commissioner of Patents of the United States, and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue the said Letters Patent to the said ASSIGNEE, its successors, assigns, nominees or other legal representatives, as assignee and owner of the said entire interest, and covenant that I have full right to convey said entire interest herein assigned and that I have not executed and will not execute any agreement in conflict herewith, and agree that I will communicate to said ASSIGNEE, its successors, assigns, nominees or other legal representatives, all facts know to me respecting said invention, whenever requested, and testify in any legal proceedings, sign all lawful papers, execute and deliver all divisional, continuing and reissue applications, make all rightful oaths and do all lawful acts requisite for the application for such divisional, continuing or reissue applications, or the procuring thereof, and that if and when said ASSIGNEE, its successors, assigns, nominees or other legal representatives desire to file a disclaimer relating thereto, I will upon request, sign and deliver all lawful papers requisite for the filing of such disclaimer, and I further covenant and agree that I will, at any time upon request, do everything legally possible to aid said ASSIGNEE, its successors, assigns, nominees or other legal representatives, either in its or my own name, to apply for, obtain and enforce proper patent protection in all countries, including priority rights granted to patents in foreign countries according to all the laws and treaties in force, all without further consideration but at the expense of said ASSIGNEE, its successors, assigns, nominees or other legal representatives.

3/10/03  
Date

Nick Martin Miller IV  
Name: Nick Martin Miller, IV

County of Portage     )  
  ) ss  
State of Ohio         )

Subscribed and Sworn to before me this 10 day of March, 2003.

Notary Public  
Susan M. Hensley

**PATENT**