

11-12-1999

PHA 29,025 11.1.99



Form PTO 1595 (Rev. 6-93)

101198922

U.S. Dept. of Commerce Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Chin Chang

Additional name(s) of conveying party(ies) attached?

Yes No [X]

2. Name and address of receiving party(ies):

Name: Philips Electronics North America Corporation

Internal Address:

Street Address: 1251 Avenue of the Americas

City: New York State: NY Zip: 10020-1104

Additional name(s) & address(es) attached?

Yes No [X]

3. Nature of conveyance:

Assignment Merger Security Agreement Change of Terms Other [X]

Execution Date: October 29, 1999

09/431583

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 October 29, 1999.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No [X]

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Philips Electronics North America Corp.

Internal Address:

Street Address: 580 White Plains Road

City: Tarrytown State: NY Zip: 10591

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41) ...\$40.00

Enclosed Authorized to Deposit Account [X]

8. Deposit Account Number: 14-1270

(Attach duplicate copy of this page paying by deposit account)

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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.

Edward Blocker, Reg. 30,245 Name of Person Signing

Signature

10/29/99 Date

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

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks Box Assignments Washington, D.C. 20231

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PATENT REEL: 010373 FRAME: 0660

10511 U.S. PTO 09/431583 11/01/99

SOLE/JOINT ASSIGNMENT

Docket No. PHA 23,826

For good and valuable consideration, I, as a below-named Assignor, hereby sell, assign, and transfer the entire right, title, and interest in the following to Philips Electronics North America Corporation, a Delaware corporation having a place of business at 1251 Avenue of the Americas, New York, NY 10020, its successors, assigns, and legal representatives, including any nominees (collectively "the Assignee"):

(1) my/our invention relating to A THREE-DIMENSIONAL LATTICE STRUCTURE BASED LED ARRAY FOR ILLUMINATION as described in the U.S. patent application

- executed concurrently herewith,
- executed on \_\_\_\_\_,
- filed in the United States Patent and Trademark Office on \_\_\_\_\_ as Serial Number \_\_\_\_\_,

(2) the foregoing application and all other U.S. and foreign patent applications based thereon, including divisions, continuations, reissues, and extensions, and

(3) all patents granted on these applications.

I will provide my cooperation to enable the Assignee to enjoy the foregoing right, title, and interest to the fullest extent. Upon request at the expense of the Assignee, I agree to execute all papers, take all rightful oaths, testify in all legal proceedings including patent prosecutorial actions and infringement actions, and do all other such acts which may be necessary, desirable, or convenient for securing and maintaining patents on the foregoing invention or for perfecting title thereto in the Assignee. I authorize and request that these patents be issued to the Assignee.

I certify that I have the full right to convey the above rights.

Oct. 29, 1999 (signature) [Signature], Assignor  
 Date (printed name) Chin Chang

\_\_\_\_ (signature) \_\_\_\_\_, Assignor  
 Date (printed name)

\_\_\_\_ (signature) \_\_\_\_\_, Assignor  
 Date (printed name)

State of New York )  
 County of Nassau )

**EDWARD M. BLOCKER**  
 Notary Public, State of New York  
 No. 02BL4862779  
 Qualified in Nassau County  
 Commission Expires May 27, 1999

On this 29th day of October, 1999 before me personally appeared Chin Chang, known to me to be the person(s) who executed the foregoing assignment and acknowledged to me that he/they executed this assignment of his/their own free will.

[Signature]  
 Notary Public