

07-24-2002

GB 010178

Form PTO 1595  
(Rev. 6-93)U.S. Dept. of Commerce  
Patent and Trademark Office

To the Commissioner for Patents...

102166990

...nal documents or copy thereof.

1. Name of conveying party(ies):

MARTIN J. EDWARDS  
JOHN R.A. AYRES

7-9-02

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

Yes

☒

No

3. Nature of conveyance:

☒

Assignment

☐

Merger

☐

Security Agreement

☐

Change of Terms

☐

Other

Execution Date: 5/16/2002; 5/16/2002.

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

Name: Koninklijke Philips Electronics N.V.

Internal Address:

Street Address: Groenewoudseweg 1

NL-5621 BA Eindhoven

The Netherlands

Additional name(s) &amp; 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 5/16/2002; 5/16/2002.

A. Patent Application No.(s)

B. Patent No.(s)

10,191,293

Additional numbers attached?

☐

Yes

☒

No

5. Name and address of party to whom  
correspondence concerning document should be  
mailed:Name: Philips Electronics North America  
Corporation

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

☒

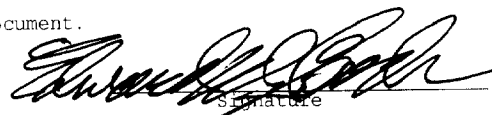
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8. Deposit Account Number: 14-1270

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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 W. Goodman, Reg. 28,613  
Name of Person Signing 7/3/2002  
Signature Date

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

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PATENT  
REEL: 013103 FRAME: 0358JC971 U.S. PTO  
10/19/2002  
07/09/02

**ASSIGNMENT**

For good and valuable consideration, of which I acknowledge receipt, I, as a below-named assignor, sell and assign to KONINKLIJKE PHILIPS ELECTRONICS N.V. (hereinafter "Assignee") a company organised and existing under the laws of THE NETHERLANDS, whose business address is Groenewoudseweg 1, NL-5621 BA Eindhoven, The Netherlands, its successors and assigns, the application for a United States Patent for the improvements in "REFRESH CIRCUITS WITHIN PIXELS" invented by me/us, which application is executed concurrently herewith, and all rights in and to said application, and all Patents which may be granted therefor, and all divisions, reissues, continuations and extensions thereof, and authorize and request the Commissioner of Patents and Trademarks to issue all Patents on said improvements or resulting therefrom to said Assignee as assignee of the entire interest and covenant that I have full right so to do, and agree that I will communicate to said Assignee or its representatives any facts known to me respecting said improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said Assignee, its successors, assigns and nominees, to obtain and enforce proper protection for said invention.

Subscribed and executed at REDHILL, ENGLAND  
16-5-2002 1 (sign name here) Martin J Edwards, Assignor  
 Date (print name here) Martin J. EDWARDS

Subscribed and executed at REDHILL, ENGLAND  
16 May 2002 2 (sign name here) John R A Ayres, Assignor  
 Date (print name here) John R. A. AYRES

Subscribed and executed at \_\_\_\_\_  
 3 (sign name here) \_\_\_\_\_, Assignor  
 Date (print name here)

Subscribed and executed at \_\_\_\_\_  
 4 (sign name here) \_\_\_\_\_, Assignor  
 Date (print name here)

1,2,3,4 - Sign exactly as printed name. Printed name to be identical to name in Application Declaration.