U.S. DEPARTMENT OF COMMERCE Atty. Docket: NL03 0021 US 12-30-2005 U.S. Patent and Trademark Office 10/543511 103147368 To the Honorable Commissioner of Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies) **Erno LANGENDIJK** KONINKLIJKE PHILIPS ELECTRONICS N.V. Groenewoudseweg 1 Eindhoven, The Netherlands 5621 BA 3. Nature of conveyance: 4. Application number(s) or patent number(s): Assignment ☐ Merger If being filed together with a new application, the execution date of application is: 26-Jul-2005 ☐ Security Agreement ☐ Change of Name A. Patent Application No.: __ ☐ Other B. Patent No.: NONE Execution Date(s): 26-Aug-2004 Additional numbers attached? ☐ Yes ☐ No 5. Name & address to whom correspondence 6. Total number of applications and patents concerning document should be mailed: involved: 1 Philips Electronics North America Corp. 7. Total fee (37 DFR 3.41) **\$40.00 Intellectual Property & Standards** 1109 McKay Drive, M/S-41SJ ☐ Enclosed San Jose, California 95131 Authorized to be charged to deposit account 24738 **Customer Number:** PATENT TRADEMARK OFFICE 8. Deposit account number: 14-1270 (Duplicate copy of this page is attached) 9. Statement and signature. o the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a rue copy of the original document. Kevin H. Fortin, Reg. No. 35,140 Total number of pages including cover sheet, attachments, and documents: | 2 |

> PATENT REEL: 017403 FRAME: 0031

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 corporation existing under the laws of Kingdom of the Netherlands, whose business address is Groenewoudseweg 1, 5621 BA Eindhoven, the Netherlands, its successors and assigns, the application for a United States Patent for the improvements in a "OPTIMAL SUBPIXEL ARRANGEMENT FOR DISPLAYS WITH MORE THAN THREE PRIMARY COLORS" invented by me, which application: is executed concurrently herewith was executed by me/us on is Serial No. filed X is International Application No. PCT/IB2004/050016.....filed...13...January.2004...., 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.

Erno Hermanus Antonius

LANGENDIJK

(sign name here)

(print name here)

25 August 2004

RECORDED: 07/26/2005

Date

PATENT

REEL: 017403 FRAME: 0032

Assignor