US 020222



Form PTC 1595 U.S. Dept. of Commerce Patent and Trademark Office (Rev. 6-93) 102154766
ase record the attached original documents or copy thereof. To the Commissioner for Patenes: 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): JORGE E. CAVIEDES Name: Koninklijke Philips Electronics N.V. Internal Address: Additional name(s Yes No Street Address: Groenewoudseweg 1 з. Nature of conveyance: 5621 BA Eindhoven, The Netherlands Assignment Merger x Security Agreement Change of Terms Additional name(s) & address(es) attached? Other х 2002 Execution Date: June 10, 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 June 26, 2002. A. Patent Application No.(s) No.(s) \mathbf{x} Additional numbers attached? No None yet 5. Name and address of party to whom correspondence concerning document should be mailed: Total number of applications and patents involved: 1 Name: Philips Electronics North America Corporation Total fee (37 CFR 3.41) ...\$40.00 Authorized to Deposit Account Enclosed Internal Address: 8. Deposit Account Number: 14-1270 Street Address: 580 White Plains Road (Attach duplicate copy of this page paying by deposit account) City: Tarrytown State: NY Zip: 10591 DO NOT USE THIS SPACE 9. Statement and signature. formation is true and correct and any attached To the best of my knowledge and belief, the foregoing copy is a true copy of the original document. Michael E. Marion, Reg. 32,266
Name of Person Signing Total number of pages including cover sheet, attachments, and document: Mail documents to be recorded with required cover sheet information to: Commissioner for Patents

Box Assignments Washington, D.C. 20231

07/12/2002 TBIAZ1 00000144 141270 10180406 01 FC:581 40.00 CH

S:\GR\mt24grk0.ec0.doc

PATENT REEL: 013072 FRAME: 0369

SOLE/JOINT ASSIGNMENT Docket No.

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 Koninklijke Philips Electronics N.V., a Delaware corporation having a place of business at Groenewoudseweg 1, 5621 BA, Eindhoven, The Netherlands, its successors, assigns, and legal representatives, including any nominees (collectively "the Assignee"):

| (1) my/our invention relating to AN OBJECTIVE METHOD AND SYSTEM FOR ESTIMATING PERCEIVED IMAGE AND VIDEO SHARPNESS (#702829) as described in the U.S. |
|---|
| patent application |
| <pre>[X] executed concurrently herewith, [] executed on</pre> |
| [] filed in the United States Patent and Trademark Office on, |
| (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 prosecutional 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. |
| b-19-02 (signature) trace E Carriedes , Assignor Date (Jorge E. Cavigdes) |
| |
| Date (printed name) |
| Date (printed name) , Assignor |
| State of County of) |
| On this day of, 20 before me personally appeared |
| 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. |

Notary Public

s:\pi\ASSIGNUS.WP

RECORDED: 06/26/2002

PATENT REEL: 013072 FRAME: 0370