

10-18-1999

PHA 23,780



Form PTO 1595 (Rev. 6-93)

101172662

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):
 Muralidharan Ramaswamy **10/7/99**

Additional name(s) of conveying party(ies) attached?
 Yes No

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

10/07/99
 09/414454
 U.S. PTO

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Terms
 Other _____

Execution Date: October 5, 1999

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 5, 1999.

A. Patent Application No.(s) **09/414454**
 B. Patent No.(s)
 Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
 Name: U.S. Philips Corp.
 Internal Address: _____
 Street Address: 580 White Plains Road
 City: Tarrytown State: NY Zip: 10591

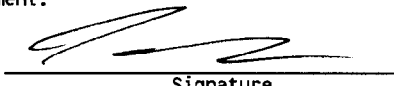
6. Total number of applications and patents involved:

7. Total fee (37 CFR 3.41) ...\$40.00
 Enclosed Authorized to Deposit Account

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.

Tony Piotrowski, Reg. 42,080  10/7/99
 Name of Person Signing Signature Date

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

Mail documents to be recorded with required cover sheet information to:
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01 FC:581 40.00 CH

PATENT REEL: 010305 FRAME: 0704

SOLE/JOINT ASSIGNMENT

Docket No. PHA 23,780

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 METHOD AND APPARATUS FOR BROWSING USING POSITION INFORMATION 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 5th, 1999

Date

(signature) R. Muralidharan, Assignor
(printed name) Muralidharan Ramaswamy

(signature) _____, Assignor
(printed name)

Date

(signature) _____, Assignor
(printed name)

Date

State of _____)
County of _____)

On this _____ day of _____, 19____ 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