AMS81/40 Form PTO-1595 U.S. DEPARTMENT OF COMMERCE (Rev. 03/01) U.S. Patent and Trademark Office **DOCKET #US030271** OMB No. 0651-0027 (exp. 5/31/2002) Tab settings ⇒ ⇒ ⇒ To the Honorable Commissioner of Patents and Trademarks: Please Record the attached original documents or copy thereof. 1. Name of conveying party(ies): Hendrikus G. VAN HORCK 2. Name and address of receiving party(ies) Name: KONINKLIJKE PHILIPS ELECTRONICS, N.V. Street Address: GROENEWOUDSEWEG 1 Additional name of conveying party(ies) attached? ☐ Yes ☒ No City: EINDHOVEN Country: THE NETHERLANDS Zip: 5621 BA 3. Nature of conveyance: Assignment Merger Security Agreement Change of Name Additional Name(s) & address(es) attached? ☐ Yes ☑ No Other __ Execution Date: January 23, 2004 10/567392 Application number(s) or patent number(s): If this document is being filed together with a new application, the execution data of the application is: A. Patent Application No.(s) B. Patent No.(s) 02/14/8006 GFREY1 /00000061**\105**67392 05 FC:abai 40.00 DA Additional numbers attached? ☐ Yes ☒ No 6. Total number of applications and patents involved: 1 5. Name and address of party to whom correspondence concerning this document should be mailed: Name: PHILIPS ELECTRONICS NORTH AMERICA 7. Total fee (37 CFR 3.41) \$ 40.00 CORPORATION Enclosed Internal Address: Authorized to be charged to deposit account 8. Deposit account number: Street Address: P.O. BOX 3001 14-1270 City: BRIARCLIFF MANOR State: NY Zip: 10510-8001 (Attach duplicate copy of this page if paying by deposit account)

> Total number of pages including cover sheet, attachments, and documents: 2 Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments, Alexandria, VA 22313 OR FAX TO: 703-306-5995

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PATENT

REEL: 017570 FRAME: 0347

SOLE/JOINT ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, I/we, as a below-named Assignor(s), hereby sell, assign, and transfer the entire and exclusive right, title, and interest in the following to **Koninklijke Philips Electronics N.V.**, having a place of business at Groenewoudseweg 1, 5621 BA Eindhoven, NL, its successors, assigns, and legal representatives, including any nominees (collectively "the Assignee"):

(1) my/our invention relating to "CHANNEL NUMBER SORTING FOR DIGITAL TELEVISION"

for which

the Un:	ited Sta			l appli k Offic	for	patent	will	be	file	d in
States Number_				patent		on was aving a			the	United

- (2) the foregoing application and all other United States, foreign and international patent applications associated therewith, based thereon, or claiming priority therefrom including, but not limited to, any and all provisionals, non-provisionals divisions, continuations, continuations-in-part, reexaminations, reissues, and extensions thereof, and
- (3) the right to claim priority thereto, and the entire and exclusive right, title, and interest in and to any and all patents granted on these applications.

I/We authorize and request that the Patent Office officials in the United States and in any and all foreign countries to issues any and all Letters Patent when granted, solely to **Koninklijke Philips Electronics N.V.**, for its sole use, and that of its successors, assigns, and legal representatives.

I/we will provide my/our 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/we 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/We certify that I/we have the full right to convey the above rights.

C 23-1-2004

(signature) Mardd van Month (10), Assignor (printed name) Hendrikus G. VAN HORCK

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