

05-02-2001


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 documents or copy thereof.

Name of conveying party(ies): KARL R. WITTIG DAGNACHEW BIRRU Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 4-23-01	2. Name and address of receiving party(ies): Name: KONINKLIJKE PHILIPS ELECTRONICS N.V. Internal Address: _____ Street Address: <u>GROENEWOUDSEWEG 1</u> City: <u>EINDHOVEN</u> Country: <u>THE NETHERLANDS</u> Additional name(s) & address(es) attached? Yes _____ No _____
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Terms <input type="checkbox"/> Other _____ Execution Date: <u>MARCH 30, 2001</u>	Yes _____ No _____ <div style="text-align: center; font-size: 2em;">09/840218</div>
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 <u>MARCH 30, 2001</u> A. Patent Application No.(s) _____ B. Patent No.(s) _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>PHILIPS ELECTRONICS NORTH AMERICA CORPORATION</u> Internal Address: _____ Street Address: <u>580 White Plains Road</u> City: <u>Tarrytown</u> State: <u>NY</u> Zip: <u>10591</u>	6. Total number of applications and patents involved: <div style="border: 1px solid black; padding: 2px; display: inline-block;">1</div> 7. Total fee (37 CFR 3.41) ...\$40.00 Enclosed <input type="checkbox"/> Authorized to Deposit Account <input checked="" type="checkbox"/> 405 8. Deposit Account Number: <u>14-1270</u> (Attach duplicate copy of this page paying by deposit account)
DO NOT USE THIS SPACE 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. <div style="display: flex; justify-content: space-between;"> <div> <u>Laurie E. Gathman, Reg.No. 37,520</u> Name of Person Signing </div> <div style="text-align: center;"> Signature </div> <div style="text-align: right;"> <u>4/23/01</u> Date </div> </div> 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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 PATENT
 REEL: 011736 FRAME: 0071

SOLE/JOINT ASSIGNMENT

Docket No. US 010190

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 corporation organized under the laws of the Netherlands, 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 "GENERATION OF DECISION FEEDBACK EQUALIZER DATA USING TRELLIS DECODER TRACEBACK OUTPUT IN AN ATSC HDTV RECEIVER" as described in the U.S. patent application

[x] 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.

3/30/01 (signature) Karl Wittig , Assignor
Date (printed name) Karl R. Wittig

3/30/01 (signature) Dagna , Assignor
Date (printed name) Dagnachew Birru

State of New York)
County of Westchester)

On this 30th day of March, 2001 before me personally appeared Karl R. Wittig and Dagnachew Birru, known to me to be the persons who executed the foregoing assignment and acknowledged to me that they executed this assignment of their own free will.

Arline Hay-O'Brien
Notary Public

My Commission Expires:

ARLINE HAY-OBRIEN
Notary Public, State of New York
No. 01HA5076262
Qualified in Dutchess County
Commission Expires April 21, 2003 2001