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Form PTO-1595 (Rev. 07/05) U.S. DEPARTMENT OF COMMERCE 01-19-2006 OMB No. 0651-0027 (exp. 6/30/2008) United States Patent and Trademark Office Docket # DE 030221 1.03160030 To the Director of the U.S. Patent and 1. Name of conveying party(ies) 2. Name and address of receiving party(ies) THOMAS KOHLER Name: KONINKLIJKE PHILIPS ELECTRONICS, N.V. MICHAEL GRASS Internal Address: Additional name(s) of conveying party(ies) attached? Yes ✔ No 3. Nature of conveyance/Execution Date(s): Street Address: GROENEWOUDSEWEG 1 Execution Date(s) 6/29/04; 7/12/04 ✓ Assignment Merger City: EINDHOVEN J Security Agreement Change of Name State: Government Interest Assignment Country: THE NETHERLANDS Zip: 5621 BA Executive Order 9424, Confirmatory License Other Additional name(s) & address(es) attached? Yes 🗹 No This document is being filed together with a new application. 4. Application or patent number(s): A. Patent Application No.(s) B. Patent No.(s) 10/563844 Not assigned yet. Additional numbers attached? Yes ✓ No 5. Name and address to whom correspondence 6. Total number of applications and patents concerning document should be mailed: involved: 1 Name: PHILIPS ELECTRONICS NORTH AMERICA CORP. 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Internal Address: P.O. BOX 3001 Authorized to be charged by credit card ✓ Authorized to be charged to deposit account Enclosed Street Address: 345 SCARBOROUGH ROAD None required (government interest not affecting title) 8. Payment Information City: BRIARCLIFF MANOR a. Credit Card Last 4 Numbers State: NY Zip: 10510-8001 Expiration Date Phone Number: (914) 945-6000 b. Deposit Account Number 14-1270 Fax Number: (914) 332-0615 Authorized User Name Email Address: 9. Signature: 1-4-06

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David Barnes, Reg. 47,407

Name of Person Signing

PATENT REEL: 017464 FRAME: 0158

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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 the 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 Reconstruction of the current flow in a vessel system invented by us, which application:

is executed concurrently herewith
was executed by me/us on
is Serial No filed
is International Application No. PCT/IB2004/051043 filed June 29, 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.

29.6.04 (sign name here)
Date (print name here)
Thomas KÖHLER

17. 7.04 (sign name here)
Date (print name here)
Michael GRAS

RECORDED: 01/05/2006

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