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To the Honorable Commissioner of Patents and Tra

cuments or copy thereof.

101213581

Name of conveying party(ies):

Nicolas Haller

Name and address of receiving party(ies):

Name: Channel Master LLC

Internal Address:

Street Address: 1315 Industrial Drive Park

City: Smithfield State or Country: NC Zip: 27577

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

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Execution Date: **November 15, 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:

CERTIFICATE OF MAILING

I hereby certify that the above and every page is a true and correct copy of the original as filed with the Patent and Trademark Office, U.S. Department of Commerce, Washington, D.C. 20231, on November 17, 1999 (Date of deposit)

A. Patent Application No.(s)

Serial No. 09/152,134
Filed: September 11, 1998

B. Patent No. (s)

11/17/99
Date Name J. Beck

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Darby & Darby P.C.

Internal Address:

Street Address: 805 Third Avenue, 27th Floor

City: New York State: New York Zip: 10022-7513

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):..... \$40.00

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

04-0100

(Attach duplicate copy of this page if paying by deposit account)

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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.

Mitchell S. Feller, Reg. No. 42,530
Name of Person Signing

Signature

November 17, 1999
Date

Total number of pages including cover sheet, attachments, and document: 3

Mail documents to be recorded with required cover sheet information to:
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12/02/1999 DNGUYEN 00000300 09152134

File No.: 1823/OE618

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ASSIGNMENT

NICOLAS HALLER, a citizen of the United Kingdom; residing at ~~29656 BUFFALO PARK ROAD, No. 206, EVERGREEN, COLORADO, 80439~~; and
10 DORANNE LANE, MIDDLETOWN, NJ 07748 *MA*

SCOTT C. COOK, a citizen of the United States of America; residing at **1701 LISBURN COURT, GARNER, NORTH CAROLINA, 27529**

(hereinafter called "ASSIGNORS") in consideration of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to them by

CHANNEL MASTER LLC

a corporation organized under the laws of the State of Delaware, located at **1315 Industrial Drive Park, Smithfield, North Carolina 27577**, (hereinafter called the "ASSIGNEE"), do hereby sell and assign to the said ASSIGNEE, its successors and assigns, all their right, title and interest,

in and for the United States of America,

throughout the world,

in and to their invention entitled:

PLANAR ORTHO-MODE TRANSDUCER

invented by him and described in

the application executed on

Application Serial No. **09/152,134**, filed **September 11, 1998**

for United States Letters Patent therefor, and all divisions, reissues, continuations and extensions thereof, the said interest being

the entire ownership interest

an undivided partial ownership interest

in the said Letters Patent when granted, to be held and enjoyed by said ASSIGNEE, its successors, assigns or other legal representatives, to the full end of the term for which

said Letters patent may be granted, as fully and entirely as the same would have been held and enjoyed by said ASSIGNORS if this assignment and sale had not been made;

And ASSIGNORS hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of said above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal or reissue applications, or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said ASSIGNEE;

And the said ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said ASSIGNEE.

I declare under penalty of perjury under the laws of the United States of America that I have signed this document as my own free act and that all of the foregoing is true and correct.

Dated: November 15, 1994 
NICOLAS HALLER, Co-Inventor

Dated: _____
SCOTT J. COOK, Co-Inventor