

11-06-1998



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R SHEET

Our Ref.: 202-68

Commissioner of Patents and Trademarks  
Box Assignment, Washington, D.C. 20231

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Weiguo ZHANG Joseph W. CARLSON	2. Name and address of receiving party(ies): Name: TOSHIBA AMERICA MRI, INC. Internal Address: Street Address: 2441 Michelle Drive City: Tustin State/Country: California Zip: 92681-2068
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Security Assignment <input type="checkbox"/> Other <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name Execution Date: 26 October 1998	Additional name/s of conveying party/ies attached? <input type="checkbox"/> Additional name/s & address/es attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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: 26 October 1996	
A. Patent Application No(s). (1) Unknown (2) (3)	B. Patent No(s). (1) (2) (3)
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: William G. Niessen Internal Address: Street Address: Nixon & Vanderhye P.C. 1100 North Glebe Road 8 <sup>th</sup> Floor City: Arlington State: VA Zip: 22201	6. Total number of applications & patents involved: 1 7. Total fee (37 CFR 3.41) \$ 40.00 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account #14-1140 8. The Commissioner is hereby authorized to charge any deficiency in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper thereafter filed in this application by this firm) to our Account No. 14-1140.
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DO NOT USE THIS SPACE

9. Statements 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.	
William G. Niessen Name of Person Signing Reg. No. 29,683	 Signature October 28, 1998 Date
Total number of pages including original cover sheet, attachments, and document: [2]	

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS

**Weiguo ZHANG and Joseph W. CARLSON**

hereby sell, assign and transfer to ASSIGNEE

**TOSHIBA AMERICA MRI, INC.**

a California corporation, having its statewide administrative offices located at 2441 Michelle Drive, Tustin, California 92681-2068, and the successors, assigns and legal representatives of the ASSIGNEE all of its right, title and interest for the United States and its territorial possessions and in all foreign countries in and to, any and all improvements which are disclosed in the invention entitled:

**QUANTITATIVE MR IMAGING OF WATER AND FAT USING A QUADRUPLE-ECHO SEQUENCE**

and which is found in

(a) U.S. patent application executed concurrently herewith (Atty. Dkt. 202-68), entitled as above and listing the above named person as inventor

(b) U.S. application serial no. \_\_\_\_\_, filed on FILED HEREWITH

(c) U.S. Patent No.: \_\_\_\_\_, issued \_\_\_\_\_

and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, continuation-in-part, extension or substitute thereof, and any reissue, reexamination or extension of said Letters Patent and all rights under all International Conventions for the Protection of Industrial Property;

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

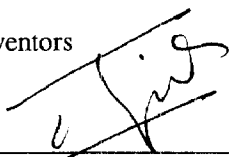
ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference, litigation, or proceeding relating thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue or enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof. An attorney of record is authorized and requested by the execution of this assignment to insert into this assignment the filing date and serial number of said application when officially known.

AND the ASSIGNORS request the Commissioner of Patents and Trademark to issue said Letters Patent of the United States and any reissue or extension thereof to the ASSIGNEE, **TOSHIBA AMERICA MRI, INC.**

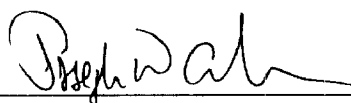
executed this

Signature of inventors

26<sup>th</sup> day of October, 1998

  
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Weiguo Zhang

26 day of October, 1998

  
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Joseph W. Carlson