FORM PTO-1595 (Rev. 6-93) OMB No. 0651-0011 (exp. 4/94)	-2001 U.S. DEPARTMENT OF COMMERCE
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To the Honorable Commissioner of Pater	ttached original documents or copy thereof.
	4686 underess of receiving party(ies):
Jason W. Trobaugh G. Y. U	Name: Washington University
R. Martin Arthur	
	Internal Address:
Additional name(s) of conveying party(ies) attached?	
3. Nature of conveyance:	
Assignment Merger	Street Address: One Brookings Drive
Security Agreement Change of Name	
Other	City: St Louis State: MO ZIP: 63130
Execution Date: May 23, 2001	Additional name(s) & address(es) attached?
4. Application number(s) or patent number(s):	-
If this document is being filed together with a new application	n, the execution date of the application is:
A. Patent Application No.(s)	B. Patent No.(s)
	<i>5.11 a.o.n.</i> 110.(0)
09/840,629	
Additional numbers atta	ched? Yes X
F. Name and address of party to whom correspondence	
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: Bruce D. George	7. Total fee (37 CFR 3.41) \$ 40.00
Internal Address: Saul Ewing	☑ Enclosed
	<u> </u>
	Authorized to be charged to deposit account
Street Address: 1500 Market Street	8. Deposit account number:
	o. Deposit account number.
38th Floor Centre Square West	50-1089
City: Philadlephia State: PA 19102	(Attach duplicate copy of this page if paying by deposit account)
DO NOT	USE THIS SPACE
9. Statement and signature. To the best of my knowledge and belief, the foregoing inform To the best of my knowledge and belief.	affon is true and correct and any attached copy is a true copy of
Person D. Course	Maria Stalo
Bruce D. George Name of Person Signing	Signature Date
	over sheet, attachments, and document:
Commissioner of Patents &	required cover sheet information to: Frademarks, Box Assignments n, D.C. 20231

Practitioner's Docket No. 13297.00019

PATENT

For: U.S. Rights
For: U.S. Application

By: Inventors

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNORS of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNORS:

Jason W. Trobaugh

7245 Balson Avenue 1346 Metrose Ave.

Apt. 1W

St. Louis, MO 63130 Nationality: U.S.A.

R. Martin Arthur 519 Tenby Terrace Manchester, MO 63011 Nationality: U.S.A.

hereby sell, assign and transfer to

ASSIGNEE:

Washington University One Brookings Drive St. Louis, MO 63130

State or Country of Formation: Missouri

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions in and to any and all improvements which are disclosed in the invention entitled:

A PHYSICALLY-BASED, PROBABILISTIC MODEL FOR ULTRASONIC IMAGES INCORPORATING SHAPE. MICROSTRUCTURE AND SYSTEM CHARACTERISTICS

and which is found in (37 C.F.R. Section 3.21) U.S. patent application 09/840,629 filed April 23, 2001 and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or reexamination thereof.

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

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PATENT REEL: 012127 FRAME: 0358 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 related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and 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.

IN WITNESS WHEREOF, \	We have hereunto set hand and seal this day of
Date: 23 May 0 1	Signature of Jason W. Trobaugh
Date: 231114101	R. Martin Cirthun
	Signature of R. Martin Arthur

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RECORDED: 09/04/2001

PATENT REEL: 012127 FRAME: 0359