

02-01-1999



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U.S. Department of Commerce
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PATENT

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TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type

New

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Document ID#

Correction of PTO Error
Reel # Frame #

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Conveyance Type

Assignment Security Agreement

License Change of Name

Merger Other

U.S. Government
(For Use ONLY by U.S. Government Agencies)

Departmental File Secret File

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Mark if additional names of conveying parties attached

Name (line 1)

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Month	Day	Year
11	23	98

Name (line 2)

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Mail documents to be recorded with required cover sheet(s) information to:
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PATENT
REEL: 9720 FRAME: 0066

Correspondent Name and Address

Area Code and Telephone Number (412) 355-8670

Name Richard W. James

Address (line 1) Kirkpatrick & Lockhart LLP

Address (line 2) 1500 Oliver Building

Address (line 3) Pittsburgh, PA 15222

Address (line 4)

Pages Enter the total number of pages of the attached conveyance document including any attachments. # 3

Application Number(s) or Patent Number(s) Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

09/216472					

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor. Month 11 Day 23 Year 98

Patent Cooperation Treaty (PCT)

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT		PCT		PCT	
PCT		PCT		PCT	

Number of Properties Enter the total number of properties involved. # 1

Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00

Method of Payment: Enclosed Deposit Account

Deposit Account (Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number: # 11-1110

Authorization to charge additional fees: Yes No

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. Charges to deposit account are authorized, as indicated herein.

Richard W. James
Name of Person Signing


Signature

1/25/99
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RECORDATION FORM COVER SHEET
CONTINUATION
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Execution Date
Month Day Year

Name (line 1)

Name (line 2)

Execution Date
Month Day Year

Name (line 1)

Name (line 2)

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Patent Application Number(s)

Patent Number(s)

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For: U.S. and/or Foreign Rights
 For: U.S. Application or
 U.S. Provisional Application
 For: U.S. Patent
 For: PCT Application
 By: Multiple Inventors

ASSIGNMENT OF INVENTION (MULTIPLE INVENTORS)

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

ASSIGNORS (Inventors):

William C. Messner
 (type or print name of inventors)

5407 Pocusset Street
Pittsburgh, Pennsylvania 15217 U.S.A.
 Address Nationality

Daniel D. Stancil

125 Westminster Drive
Mars, Pennsylvania 16046 U.S.A.

Tuviah E. Schlesinger

8 Carleton Drive
Mount Lebanon, Pennsylvania 15243 U.S.A.

hereby sells, assigns and transfers to

ASSIGNEE:

Carnegie Mellon University
(type or print name of ASSIGNEE)

5000 Forbes Avenue
Address

(a non-profit Pennsylvania organization)
Nationality

Pittsburgh, PA 15213

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

the entire right, title and interest

an undivided _____ percent (_____ %) interest for the United States and its territorial possessions

(check the following box, if foreign rights are also to be assigned)

and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in the invention entitled:

TWO-DIMENSIONAL BEAM SCANNER

(check and complete (a), (b), (c), (d), (e), (f) or (g))

and which is found in

(a) U.S. patent application executed on even date herewith

(b) U.S. patent application executed on _____

(c) U.S. provisional application naming the above inventor(s) for the above-entitled invention

Express mail label no.: _____

Mailed: _____

To comply with 37 CFR 3.21 for recordal of this assignment, I, an ASSIGNOR signing below, hereby authorize and request my attorney to insert below the filing date and application number when they become known.

(d) U.S. application no.: 09/216,472 filed on December 18, 1998

(e) International application no. PCT / _____ / _____
filed on _____

(f) U.S. patent no. _____ issued _____

A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.

(also check (g), if foreign application(s) is also being assigned)

(g) 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, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

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

ASSIGNOR further covenants 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 ASSIGNOR 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 1/21/99 Date of signing

WARNING: The date of signing must be the same as the date of execution of the application, if item (a) was checked above.

William C. Messner
(type name of Inventor)

William C. Messner
Signature of INVENTOR

Daniel D. Stancill

Daniel D. Stancill

Tuviah E. Schlesinger

Tuviah E. Schlesinger

Notarization or Legalization Page Added.

NOTE: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized, then it will only be prima facie evidence of execution. 35 USC 261. Use next page if notarization is desired.