08-14-1998

FORM PTO-1595 (Rev. 6-93) RI OMB No. 0651-0011 (exp. 4/94) 100755	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
To the Honorable Commissioner of Patents and Trademarks:	Please record the attached original documents or copy thereof.
Name of conveying parties:	Name and address of receiving party(ies):
Tensor, Inc.	Name: AlliedSignal Inc.
	Internal Address:
Additional name(s) & party(ies) attached?	P.O. Box 2245
3. Nature of conveyance: MRD 7-87-98	Morristown, New Jersey 07962
X Assignment Merger	Street Address:
Security Agreement Change of Name	101 Columbia Road
Other	City: Morristown State: NJ Zip: 07962
Execution Date: July 17, 1998	Additional name(s) & address(es) Yes X No attached?
4. Application number(s) or patent number(s): Attorn	ney Docket No.:
If this document is being filed together with a new application is:	, the execution date of the application
A. Patent Application No.(s)	B. Patent No.(s)
See attached	Sas attached
	5008 664
Additional numbers attached?	X Yes No
Name and address of party to whom correspondence concerning document should be mailed:	Total number of applications and patents involved:
Name: Jeanne C. Suchodolski	1
Internal Address: AlliedSignal, Inc.	7. Total fee (37 CFR 3.41)\$ 40
P.O. Box 2245	Enclosed
Morristown, New Jersey 07962	Authorized to be charged to deposit account
Street Address:	Deposit account number:
101 Columbia Road	01-1113
City: Morristown State: NJ Zip: 07962	(Attach two duplicate copies of this page if paying by deposit account)
DO NOT USE	THIS SPACE Change 40.0
9. Statement and signature. To the best of my knowledge and belief, the foregoing true copy of the original document. **To the best of my knowledge and belief, the foregoing true copy of the original document.** **To the best of my knowledge and belief, the foregoing true copy of the original document.** **To the best of my knowledge and belief, the foregoing true copy of the original document.** **To the best of my knowledge and belief, the foregoing true copy of the original document.** **To the best of my knowledge and belief, the foregoing true copy of the original document.** **To the best of my knowledge and belief, the foregoing true copy of the original document.** **To the best of my knowledge and belief, the foregoing true copy of the original document.** **To the best of my knowledge and belief, the foregoing true copy of the original document.** **To the best of my knowledge and belief true copy of the original document.** **To the best of my knowledge and belief true copy of the original document.** **To the best original document.** **To the document.** *	information is true and correct and any attached copy is a
Jeanne C. Suchodolski (34,936)	7/24/98
Name of Person Signing	Signature Date
Total number of pages including cover shee	et, attachments, and document: 5

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks, Box Assignments

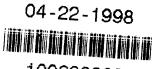
Washington, D.C. 20231

U.S. and Foreign Patents Involved Tensor, Inc. (Assignor) AlliedSignal, Inc. (Assignee) Page 2

Patent	Serial No.	Issue Date
U.S. Patent No. 4,709,486	860,020	1 December 1987
U.S. Patent No. 4,875,014	221,730	17 October 1989
U.S. Patent No. 4,891,734	206,837	2 January 1990
U.S. Patent No. 5,008,664	468,591	16 April 1991
U.S. Patent No. 5,064,006	264,445	12 November 1991
U.S. Patent No. 5,230,387	788,130	27 July 1993
U.S. Patent No. 5,333,686	73,785	2 August 1994

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APR 1 7 1993

FORM PTO!1595 (Rev. 6-93) OMB No. 0651-0011 (exp. 4/94)

MRd 4-1796

EET DEPARTMENT OF COMMERCE Patent and Trademark Office

	Please record the attached original documents or copy thereof.
Name of conveying parties:	Name and address of receiving party(ies):
Tensor, Inc.	Name: AlliedSignal Inc.
	Internal Address:
Additional name(s) & party(ies) attached? Yes X No	P.O. Box 2245
Nature of conveyance:	Morristown, New Jersey 07962
X Assignment Merger	Street Address:
Security Agreement Change of Name	101 Columbia Road
Other	City: Morristown State: NJ Zip: 07962
Execution Date: March 31, 1998	Additional name(s) & address(es) attached? Yes X No
4. Application number(s) or patent number(s):	
If this document is being filed together with a new application, is:	the execution date of the application
A. Patent Application No.(s) See attached	B. Patent No.(s) See attached
	,
Additional numbers attached?	X Yes No
Name and address of party to whom correspondence	
concerning document should be mailed:	Total number of applications and patents involved:
concerning document should be mailed:	involved:
Name: Jeanne C. Suchodolski	involved:17
concerning document should be mailed: Name: Jeanne C. Suchodolski Internal Address: AlliedSignal, Inc.	involved: 17 7. Total fee (37 CFR 3.41)\$ 280.00
concerning document should be mailed: Name: Jeanne C. Suchodolski Internal Address: AlliedSignal, Inc. P.O. Box 2245	7. Total fee (37 CFR 3.41)\$ 280.00
concerning document should be mailed: Name: Jeanne C. Suchodolski Internal Address: AlliedSignal, Inc. P.O. Box 2245 Morristown, New Jersey 07962	involved: 17 7. Total fee (37 CFR 3.41)\$ 280.00 Enclosed Authorized to be charged to deposit account
concerning document should be mailed: Name: Jeanne C. Suchodolski Internal Address: AlliedSignal, Inc. P.O. Box 2245 Morristown, New Jersey 07962 Street Address:	involved: 17 7. Total fee (37 CFR 3.41)\$ 280.00 Enclosed Authorized to be charged to deposit account 8. Deposit account number:
concerning document should be mailed: Name: Jeanne C. Suchodolski Internal Address: AlliedSignal, Inc. P.O. Box 2245 Morristown, New Jersey 07962 Street Address: 101 Columbia Road City: Morristown State: NJ Zip: 07962	involved: 17 7. Total fee (37 CFR 3.41)\$ 280.00 Enclosed Authorized to be charged to deposit account 8. Deposit account number: 01-1113 (Attach two duplicate copies of this page if paying by deposit account)
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Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks, Box Assignments

Washington, D.C. 20231

PATENT

REEL: 9328 FRAME: 0733

U.S. and Foreign Patents Involved Tensor, Inc. (Assignor) AlliedSignal, Inc. (Assignee) Page 2

<u>Patent</u>	Serial No.	<u>Issue Date</u>
U.S. Patent No. 4,709,486	860,020	1 December 1987
U.S. Patent No. 4,875,014	221,730	17 October 1989
U.S. Patent No. 4,891,734	206,837	2 January 1990
U.S. Patent No. 5,006,664 - ?	468,591~	16 April 1991
U.S. Patent No. 5,064,006	264,445	12 November 1991
U.S. Patent No. 5,230,387	788,130	27 July 1993
U.S. Patent No. 5,333,686	73,785	2 August 1994

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ASSIGNMENT OF PATENTS AND TRADEMARKS

STATE OF TEXAS \$ \$ KNOW ALL PERSONS BY THESE PRESENTS: COUNTY OF TRAVIS \$

This ASSIGNMENT OF PATENTS AND TRADEMARKS is executed by and between Tensor, Inc., a Texas corporation ("Assignor"), and AlliedSignal Inc., a Delaware corporation ("Assignee").

WITNESSETH:

WHEREAS, Assignor and Assignee are parties to an Agreement and Plan of Reorganization dated as of March 31, 1998 (the "Agreement") whereby Assignee has agreed to purchase, and Assignor has agreed to sell to Assignee, the Assets (as such term is defined in the Agreement) of Assignor; and

WHEREAS, Assignor is the owner of the issued and pending patents and the issued and pending trademarks (the "Patents and Trademarks") identified on Exhibit A hereto; and

WHEREAS, Assignor became the owner of some of the Patents and Trademarks pursuant to a merger (the "Merger") by and between Assignor and Quality Drilling Technology, Inc., a Texas corporation ("QDT"), Quantum Solutions, Inc., a California corporation ("QSI"), and Magrange, Inc., a Texas corporation ("Magrange") (collectively, the "Subsidiaries"), effective as of March 31, 1998, whereby the Subsidiaries were merged with and into Assignor, with Assignor being the surviving entity; and

WHEREAS, the Patents and Trademarks are part of the Assets to be transferred pursuant to the Agreement; and

WHEREAS, Assignor desires to assign to Assignee all of Assignor's interest in the Patents and Trademarks, and Assignee desires to acquire the Patents and Trademarks;

NOW, THEREFORE, for and in consideration of the premises and the agreements and covenants herein set forth, together with the consideration recited in the Agreement and other good and valuable consideration this day paid and delivered by Assignee to Assignor, the receipt and sufficiency of which Assignor hereby acknowledges, Assignor hereby assigns, transfers, sets over and delivers unto Assignee all of Assignor's right, title and interest worldwide in and to the patent applications, issued patents, and any and all continuations, continuations-in-part, reissues, reexams, divisionals, and foreign counterparts thereof; and trademark applications, and issued trademarks identified on Exhibit A hereto, together with the goodwill of the business symbolized by said trademarks.

ASSIGNMENT OF PATENTS AND TRADEMARKS

PAGE 1

This instrument shall in all respects be interpreted, construed, and governed by and in accordance with the laws of the State of Texas, disregarding any conflict of laws provisions which may require the application of the law of another jurisdiction. Any cause of action that arises out of or that relates in any way to the transactions that are the subject of this instrument shall be filed and conducted in State or Federal Court in Travis County, Texas.

EXECUTED THIS 31st day of March, 1998.

ASSIGNOR:

Tensor, Inc., a Texas corporation

By

George F. Roberts, Presiden

ASSIGNEE:

AlliedSignal Inc., a Delaware corporation

By:

Norman J. Klein, General Manager

STATE OF TEXAS	§ §
COUNTY OF TRAVIS	§
	wledged before me on this 31st day of March, 1998, by George F. a Texas corporation, on behalf of said corporation. Notary Public in and for the State of Texas
My Commission Expires:	Print Name of Notary:
7-15-99	Susan J. Kyle
STATE OF TEXAS	§
COUNTY OF TRAVIS	§ § §
Klein, General Manager of AlliedSi SUSAN J. KYLE Notary Public, State of Texas My Commission Expires July 15, 1999	wledged before me on this 31st day of March, 1998, by Norman J. Ignal Inc., a Delaware corporation, on behalf of said corporation. Notary Public in and for the State of Texas
My Commission Expires:	Print Name of Notary:

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PAGE 3

EXHIBIT A TO ASSIGNMENT OF PATENTS AND TRADEMARKS

(4 pages attached)

REEL: 9328 FRAME: 0739

Magrange, Inc.	MY-106320-A	5/30/95	PI 8901508	10/20/89	DOWNHOLE COMBINATION TOOL (MALAYSIA)	1-0433.16
Magrange, Inc.	RP 10932	7/20/82	269/89	10/28/89	DOWNHOLE COMBINATION TOOL (NIGERIA)	1-0433.15
Magange, Inc.	301184	9/72/97	894316	10/30/89	DOWNHOLE COMBINATION TOOL (NORWAY)	T-0433.14
Magrange, Inc.	1929-89	2/20/95	1929-89	12/18/89	DOWNHOLE COMBINATION TOOL (VENEZUELA)	1-0433.13
Magrange, Inc.	PI 8907132.8	1227/94	PCT/US89/04848	10/30/89	DOWNHOLE COMBINATION TOOL (PCT-BRAZIL)	1.0433.12
Magrange, Inc.	171,679	11/10/83	18139	10/27/89	DOWNHOLE COMBINATION TOOL (MEXICO)	1-0433-10
Magrange, Inc.			2,001,745-7	10/30/89	DOWNHOLE COMBINATION TOOL (CANADA)	T-0433.09
Magrange, Inc.	5,064,006	11/12/91	264,445	10/28/88	DOWNHOLE COMBINATION TOOL (US)	T-0433.08
Tensor, Inc.	0425569	1/11/95	89908744.9	7/19/89	A SYSTEM AND METHOD FOR LOCATING AN UNDERGROUND PROBE (EPO-PCT)	T-0433.05(A)
Tensor, Inc.			PCT/US89/03124	7/19/89	A SYSTEM AND METHOD FOR LOCATING AN UNDERGROUND PROBE (PCT)	T-0433.05
Tensor, Inc.	4,875,014	10/17/89	221,730	7/20/88	SYSTEM & METHOD FOR LOCATING AN UNDERGROUND PROBE HAVING ORTHOGONALLY ORIENTED MAGNETOMETERS (US)	1-0433.02
Tensor, Inc.	4,709,486	12/1/87	9 6 0,020	5/6/86	METHOD OF DETERMINING THE ORIENTATION OF A SURVEYING INSTRUMENT IN A BORIEHOLE (US)	T-0433.01
ASSIGNET	PATENT NO.	ISSUE DATE	SEPIAL NO	FILING DATE	(NVENTION	FILE NO.
	\$0.000 miles 10.000	\$47\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	5 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	mer to the late of	7	

					(68)	
Quantum Solutions, Inc.	5,006,864	4/16/91	469,591	1/23/90	APPARATUS FOR INDUCTIVELY COUPLING SIGNALS BETWEEN A DOWNHOLE SENSOR AND THE SURFACE	
Quantum Solutions, Inc.	4,891,734	1/2/90	206,837	6/15/68	VIBRATION MOUNT FOR ELECTRONIC ASSEMBLIES (US)	
Technology, Inc.	5,333,686	8/2/94	073,785	6/8/93	MEASURING WHILE DRILLING SYSTEM (US)	1-0433,30
Megrange, Inc.	5,230,387	1/27/93	788,130	11/5/91	DOWNHOLE COMBINATION TOOL (U.S.)	1-0433.27
Magrange, Inc.	5384/89	10/27/69	5384/89	10/27/89	DOWNHOLE COMBINATION TOOL (DENWARK)	1-0433.17
The second secon	HANGE OF THE PARTY	SUF	SET DU NO.	FILINGBATE	NVENTION (1)	FILE NO:

REEL: 9328 FRAME: 0740

Seller uses the following marks: (A) TENSOR; (B) CHAMP; (C) QDT MWD; (D) LOGVIEW; and (E) TRUTRACKER (see Appendix 6.12(b)(i)). Magrange uses the following marks: (A) MAGRANGE. QSI uses the following marks: (A) qPACK; (B) qBUS; (C) qMIX; (D) qMIX/11; (E) qMIX/PC;

(F)

(G)

qMATH/11;

qTRIG/11;

(1)	qGL;
(J)	qGL/11;
(K)	qVIEW;
(L)	qVIEW/11;
(M)	qTalk/PC;
(N)	qPROG/11;
(O)	qMWDCNFG;
(P)	qMWD/PC;
(Q)	qMWD/W32;
(R)	qDIRK_IO;
(S)	qOS/11;
(T)	qNIC/W32;
(U)	qDRT;
(V)	qMPTx;
(W)	qMPRx;
(X)	MEMORYIO;
(XI)	qTALK;
(XII)	QSI; and
(XIII)	Quantum Solutions.
QDT i	uses the following marks:

Quality Drilling Technology.

(H)

(A)

qLOG/11;

CORRECTION UNDER C.F.R. § 3.34 Attorney Docket No. 491-98-010

5		DEGEIV JUL 27 188		I hereby certify that this paper is being deposited with the United States Postal Service with sufficient postage as first Class mail in an envelope addressed to: Assistant Commissioner for Patents Washington, D.C. 20231, on this date. Signature of Depositor Date: 1-24-98
15	IN TH	E UNITED STATES PATI	ENT ANI	O TRADEMARK OFFICE
20	In re application of: Serial No.:	More, Henry S. et al 07/468,591)))	Correction of Recorded Cover
	Patent No.:	5,008,664)	Sheet Error Under C.F.R. § 3.34
25	Filed:	01/23/90)	
30	Title:	Apparatus For Inductively Coupling Signals Between a Downhole Sensor and the Surface		
35	Box Assignments Assistant Commission Washington, D.C. 202			
40	Sir, 1. Applicant has April 17, 1998.	noted an error in the cover	sheet for t	the assignment previously recorded on
	Reel:	9097 Frame: 0	587	
45	2. Attached here	to is the originally recorded	documen	t.
+0	3. Also attached	here to is a corrected cover	sheet for	recordation.

The error in the originally recorded cover sheet is apparent when that cover sheet is compared

with the recorded document because: Serial Number 07/468,591 does not match up with U.S. Patent

CORRECTASSIGN.DOC

Number 5,006,664.

50

CORRECTION UNDER C.F.R. § 3.34 Attorney Docket No. 491-98-010

The recording fee is shown in the corrected cover sheet filed herewith. Payment of this 5. recording fee is in the manner set forth in the corrected cover sheet.

_	Respectfully submitted	,
5	Signature of Attorney:	Jeanne C. Suchodolski
	Reg. No.:	34,936
10	Date: Post Office Address:	AlliedSignal Inc.
		101 Columbia Road P.O. Box 2245
		Morristown, NJ 07962
15	Telephone No.:	(425) 885-8509