

09-08-1999

U.S. Department of Commerce
Patent and Trademark Office
PATENT



101138279

RECORDATION FORM COVER SHEET
PATENTS ONLY

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

Submission Type

☐ New

☐ Resubmission (Non-Recordation)
Document ID#

☐ Correction of PTO Error
Reel # Frame #

☐ Corrective Document
Reel # Frame #

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

Conveying Party(ies)

☐ Mark if additional names of conveying parties attached

Name (line 1) Execution Date
Month Day Year

Name (line 2)

Second Party

Name (line 1)

Name (line 2)

Execution Date
Month Day Year

Receiving Party

☐ Mark if additional names of receiving parties attached

Name (line 1) ☐ If document to be recorded
is an assignment and the
receiving party is not
domiciled in the United
States, an appointment
of a domestic
representative is attached.
(Designation must be a
separate document from
Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)
City State/Country Zip Code

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

09/07/1999 MTHAI1 00000207 08950827

01 FC:581

1480.00 OP

FOR OFFICE USE ONLY

Correspondent Name and Address

Area Code and Telephone Number

(504) 733-6000

Name James T. Cronvich

Address (line 1) Input/Output, Inc.

Address (line 2) 5200 Toler Street

Address (line 3) Harahan, La 70123

Address (line 4)

Pages

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

16

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)

08/950,827

09/094,487

09/161,271

09/043,447

08/922,712

09/043,458

08/964,055

Patent Number(s)

4,414,754

4,471,534

4,671,120

4,425,716

4,503,621

4,698,912

4,443,795

4,631,711

4,711,194

If this document is being filed together with a new Patent Application, enter the date the patent application
was

Month Day Year

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.

37

Fee Amount

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

1,480.00

Method of Payment:

Enclosed ☒Deposit Account ☐

Deposit Account

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

Deposit Account Number:

12-0090

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.

James T. Cronvich, Reg. No. 33,163

Name of Person Signing



Signature

Aug. 25, 1999

Date

RECORDATION FORM COVER SHEET
CONTINUATION
PATENTS ONLYU.S. Department of Commerce
Patent and Trademark Office
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Conveying Party(ies)

Enter additional Conveying Parties

☐ Mark if additional names of conveying parties attached

Name (line 1)

Name (line 2)

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Execution Date
Month Day YearExecution Date
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Month Day Year

Receiving Party

☐ Mark if additional names of receiving parties attached

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

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Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

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☒ Mark if additional numbers attached

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Patent Application Number(s)

Patent Number(s)

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5,031,159	5,214,612	5,507,243
5,142,507	5,321,668	5,529,011

RECORDATION FORM COVER SHEET
CONTINUATION
PATENTS ONLY

U.S. Department of Commerce
Patent and Trademark Office
PATENT

Conveying Party(ies)

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Month Day Year

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Month Day Year

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Execution Date
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5,010,653	<input type="text"/>	<input type="text"/>

**PATENT ASSIGNMENT
TO
Input/Output, Inc.**

WHEREAS, I/O Marine Systems, Inc., formerly known as DigiCourse, Inc., a corporation of the State of Louisiana, having a place of business at 5200 Toler Street, Harahan, Louisiana 70123, warrants that it is the owner of the entire right, title, and interest in and to the patents or patent applications indicated below;

WHEREAS, Input/Output, Inc, a corporation of the State of Delaware, having a place of business at 11104 West Airport Boulevard, Stafford, Texas 77477, is desirous of acquiring the entire right, title, and interest in and to the patents or patent applications identified below;

NOW THEREFORE, be it known by all whom it may concern that for and in consideration of Ten Dollars (\$10.00), the receipt of which is hereby acknowledged, and other good and valuable consideration, I/O Marine Systems, Inc. does hereby assign, sell, and transfer unto Input/Output, Inc., for the territory of the United States of America and the entire world, its entire right, title, and interest in and to the following patents or patent applications, including all priority rights for patent applications foreign to the United States of America, and the right to collect damages, lost profits, and/or attorney's fees for any and all past infringements of said patents:

<u>Country</u>	<u>Patent No.</u>	<u>Title</u>	<u>Issue Date</u>
United States	4414754	HIGH RESOLUTION COMPASS CARD POSITION DECODER	15NO1983
United States	4425716	FLOATING NON-GIMBALLED COMPASS	17JA1984
United States	4443795	REMOTE INDICATOR FOR DISPLAYING TRANSMITTED DATA BY ANGULAR DISPLACEMENT	17AP1984
United States	4471534	REMOTE READING COMPASS WITH 360 DEGREE ROLL CAPABILITY	18SE1984
United States	4503621	SOLID STATE COMPASS	12MR1985
United States	4631711	SYSTEM FOR REMOVABLY HOUSING AND ALIGNING COMPONENTS IN A TOWED ARRAY	23DE1986
United States	4671120	COMBINED HEADING AND DEPTH SENSOR	09JE1987

<u>Country</u>	<u>Patent No.</u>	<u>Title</u>	<u>Issue Date</u>
United States	4698912	MAGNETIC COMPASS CALIBRATION	13OC1987
United States	4711194	STREAMER INTERFACE ADAPTER CABLE MOUNTED LEVELER	08DE1987
United States	4720631	ELECTRO-OPTICAL COMPASS CARD WHEREIN TRANSMISSIVE MEMBER HAS RANDOM PATTERNS	19JA1988
United States	4725995	SYSTEM FOR REMOVABLY HOUSING AND ALIGNING COMPONENTS IN A TOWED ARRAY	16FE1988
United States	4912684	SEISMIC STREAMER COMMUNICATION SYSTEM	27MR1990
United States	5031159	HYDROACOUSTIC RANGING SYSTEM	09JL1991
United States	5142507	HYDROACOUSTIC RANGING SYSTEM	25AU1992
United States	5200930	TWO-WIRE MULTI-CHANNEL STREAMER COMMUNICATION SYSTEM	06AP1993
United States	5201128	MINIATURE GIMBAL MOUNTED MAGNETIC FIELD DETECTORS	13AP1993
United States	5214617	HYDROACOUSTIC RANGING SYSTEM	25MY1993
United States	5214612	SWING PLATE LATCH MECHANISM	25MY1993
United States	5321668	HYDROACOUSTIC RANGING METHOD USING BOTTOM REFLECTIONS	14JE1994
United States	5359575	UNDERWATER PULSE TRACKING SYSTEM	25OC1994
United States	5378864	NON-RESETTABLE PRESSURE- ACTUATED SWITCH	03JA1995
United States	5418757	LONG LIFE BATTERY OPERATED ACOUSTIC UNDERWATER BUOY RELEASE SYSTEM	23MY1995
United States	5507243	CONNECTOR FOR UNDERWATER CABLES	16AP1996
United States	5529011	CONNECTOR FOR UNDERWATER CABLES	25JE1996

<u>Country</u>	<u>Patent No.</u>	<u>Title</u>	<u>Issue Date</u>
United States	5709964	MODULAR BATTERY PACK	20JA1998
United States	4611171	LOCATION INDICATOR FOR A MARINE SEISMIC CABLE COM- PRISING OPERATOR CONTROLLED SATURABLE CORE MAGNETOMETERS	09SE1986
United States	4709355	CONTROLLER FOR MARINE SEISMIC CABLE	24NO1987
United States	4843865	METHOD OF CALIBRATING A COMPASS HEADING	04JL1989
United States	5010653	APPARATUS AND METHOD FOR MEASURING AZIMUTH, PITCH AND ROLL	30AP1991
United States	5105548	APPARATUS AND METHOD FOR MEASURING AZIMUTH, PITCH AND ROLL	21AP1992
Australia	644843	HYDROACOUSTIC RANGING SYSTEM	23DE1993
Australia	656084	SWING PLATE LATCH MECHANISM	19JA1995
Australia	669817	UNDERWATER PULSE TRACKING SYSTEM	09OC1996
Australia	682763	LONG LIFE BATTERY OPERATED ACOUSTIC UNDERWATER BUOY RELEASE SYSTEM	16OC1997
Australia	689186	CONNECTOR FOR UNDERWATER CABLES	09JL1998
Canada	1056594	ELECTROMAGNETIC COMPASS	19JE1979
Canada	1111239	PHOTOELECTRIC BOREHOLE SURVEYING APPARATUS WITH A MAGNETIC COMPASS	27OC1981
Canada	1193094	REMOTE READING COMPASS WITH 360 DEGREE ROLL CAPABILITY	10SE1985
Canada	1194291	SOLID STATE COMPASS	01OC1985
Canada	1207073	SYSTEM FOR REMOVABLY HOUSING AND ALIGNING COMPONENTS IN A TOWED ARRAY	02JL1986

<u>Country</u>	<u>Patent No.</u>	<u>Title</u>	<u>Issue Date</u>
Canada	1260772	STREAMER INTERFACE ADAPTER CABLE MOUNTED LEVELER	26SE1989
Canada	1270635	MAGNETIC COMPASS CALIBRATION	26JE1990
Canada	1299857	METHOD OF CALIBRATING A COMPASS HEADING	05MY1992
Canada	1299859	APPARATUS AND METHOD FOR MEASURING AZIMUTH, PITCH AND ROLL	05MY1992
Canada	2099144	SWING PLATE LATCH MECHANISM	01SE1998
Canada	2130217	UNDERWATER PULSE TRACKING SYSTEM	17FE1998
Canada	2087552	TWO-WIRE MULTI-CHANNEL STREAMER COMMUNICATION SYSTEM	25AU1998
France	EP0110230	SYSTEM FOR REMOVABLY HOUSING AND ALIGNING COMPONENTS IN A TOWED ARRAY	02SE1987
France	EP0111265	SOLID STATE COMPASS	27JL1988
France	EP0110229	REMOTE READING COMPASS WITH 360 DEGREE ROLL CAPABILITY	01FE1989
France	EP0193215	STREAMER INTERFACE ADAPTER CABLE MOUNTED LEVELER	21NO1991
France	EP0225493	MAGNETIC COMPASS CALIBRATION	22JL1992
France	EP0330784	SEISMIC STREAMER COMMUNI- CATION SYSTEM	07JL1993
France	EP0331262	METHOD OF CALIBRATING A COMPASS HEADING	21AU1996
France	EP0331261	APPARATUS AND METHOD FOR MEASURING AZIMUTH, PITCH AND ROLL	28AP1993
France	EP0447783	HYDROACOUSTIC RANGING SYSTEM	23AP1997
France	EP0581441	SWING PLATE LATCH MECHANISM	27AU1997

<u>Country</u>	<u>Patent No.</u>	<u>Title</u>	<u>Issue Date</u>
France	EP0552769	TWO-WIRE MULTI-CHANNEL STREAMER COMMUNICATION SYSTEM	12NO1997
France	EP0686553	LONG LIFE BATTERY OPERATED ACOUSTIC UNDERWATER BUOY RELEASE SYSTEM	15JL1998
Great Britain	EP0110230	SYSTEM FOR REMOVABLY HOUSING AND ALIGNING COMPONENTS IN A TOWED ARRAY	02SE1987
Great Britain	EP0111265	SOLID STATE COMPASS	27JL1988
Great Britain	EP0110229	REMOTE READING COMPASS WITH 360 DEGREE ROLL CAPABILITY	01FE1989
Great Britain	EP0193215	STREAMER INTERFACE ADAPTER CABLE MOUNTED LEVELER	21NO1991
Great Britain	EP0225493	MAGNETIC COMPASS CALIBRATION	22JL1992
Great Britain	EP0330784	SEISMIC STREAMER COMMUNI- CATION SYSTEM	07JL1993
Great Britain	2241330	HYDROACOUSTIC RANGING SYSTEM	14SE1994
Great Britain	EP0331262	METHOD OF CALIBRATING A COMPASS HEADING	21AU1996
Great Britain	EP0331261	APPARATUS AND METHOD FOR MEASURING AZIMUTH, PITCH AND ROLL	28AP1993
Great Britain	EP0581441	SWING PLATE LATCH MECHANISM	27AU1997
Great Britain	EP0552769	TWO-WIRE MULTI-CHANNEL STREAMER COMMUNICATION SYSTEM	12NO1997
Great Britain	EP0686553	LONG LIFE BATTERY OPERATED ACOUSTIC UNDERWATER BUOY RELEASE SYSTEM	15JL1998
Germany	P3373363.5-08	SYSTEM FOR REMOVABLY HOUSING AND ALIGNING COMPONENTS IN A TOWED ARRAY	02SE1987
Germany	P3377519.8-08	SOLID STATE COMPASS	27JL1988
Germany	P3379113.9-08	REMOTE READING COMPASS WITH 360 DEGREE ROLL CAPABILITY	01FE1989

<u>Country</u>	<u>Patent No.</u>	<u>Title</u>	<u>Issue Date</u>
Germany	P3682517.4-08	STREAMER INTERFACE ADAPTER CABLE MOUNTED LEVELER	06DE1991
Germany	P3686138.3-08	MAGNETIC COMPASS CALI- BRATION	22JL1992
Germany	P68906184.6-08	APPARATUS AND METHOD FOR MEASURING AZIMUTH, PITCH AND ROLL	28AP1993
Germany	P68926973.0-08	METHOD OF CALIBRATING A COMPASS HEADING	21AU1996
Germany	P3882221.0	SEISMIC STREAMER COMMUNI- CATION SYSTEM	07JL1993
Germany	P69125747.7-08	HYDROACOUSTIC RANGING SYSTEM	23AP1997
Germany	P69313380.5	SWING PLATE LATCH MECHANISM	27AU1997
Germany	P69315094.7-08	TWO-WIRE MULTI-CHANNEL STREAMER COMMUNICATION SYSTEM	12NO1997
Germany	P69507362.6-08	LIFE BATTERY OPERATED ACOUSTIC UNDERWATER BUOY RELEASE SYSTEM	15JL1998
Italy	EP0225493	MAGNETIC COMPASS CALIBRATION	22JL1992
Italy	EP0331262	METHOD OF CALIBRATING A COMPASS HEADING	21AU1996
Italy	EP0331261	APPARATUS AND METHOD FOR MEASURING AZIMUTH, PITCH AND ROLL	28AP1993
Japan	1672961	REMOTE READING COMPASS WITH 360 DEGREE ROLL CAPABILITY	12JE1992
Japan	1780280	SOLID STATE COMPASS	13AU1993
Japan	1838695	STREAMER INTERFACE ADAPTER CABLE MOUNTED LEVELER	25AP1994
Japan	2549283	MAGNETIC COMPASS CALIBRATION	08AU1996
Japan	2125695	METHOD OF CALIBRATING A COMPASS HEADING	13JA1997

<u>Country</u>	<u>Patent No.</u>	<u>Title</u>	<u>Issue Date</u>
Netherlands	EP0110230	SYSTEM FOR REMOVABLY HOUSING AND ALIGNING COMPO- NENTS IN A TOWED ARRAY	02SE1987
Netherlands	EP0111265	SOLID STATE COMPASS	27JL1988
Netherlands	EP0110229	REMOTE READING COMPASS WITH 360 DEGREE ROLL CAPABILITY	01FE1989
Netherlands	EP0447783	HYDROACOUSTIC RANGING SYSTEM	23AP1997
Netherlands	EP0581441	SWING PLATE LATCH MECHANISM	27AU1997
Netherlands	EP0552769	TWO-WIRE MULTI-CHANNEL STREAMER COMMUNICATION SYSTEM	12NO1997
Netherlands	EP0686553	LONG LIFE BATTERY OPERATED ACOUSTIC UNDERWATER BUOY RELEASE SYSTEM	15JL1998
New Zealand	237024	HYDROACOUSTIC RANGING SYSTEM	15SE1993
Norway	165003	REMOTE READING COMPASS WITH 360 DEGREE ROLL CAPABILITY	05DE1990
Norway	165774	SYSTEM FOR REMOVABLY HOUSING AND ALIGNING COMPO- NENTS IN A TOWED ARRAY	10AP1991
Norway	166976	SOLID STATE COMPASS	25SE1991
Norway	169922	STREAMER INTERFACE ADAPTER CABLE MOUNTED LEVELER	19AU1992
Norway	172912	SEISMIC STREAMER COMMUNI- CATION SYSTEM	22SE1993
Norway	302720	HYDROACOUSTIC RANGING SYSTEM	14AP1998
Norway	303093	TWO-WIRE MULTI-CHANNEL STREAMER COMMUNICATION SYSTEM	25MY1998
Norway	303194	SWING PLATE LATCH MECHANISM	08JE1998
Singapore	1597/94	HYDROACOUSTIC RANGING SYSTEM	29NO1994

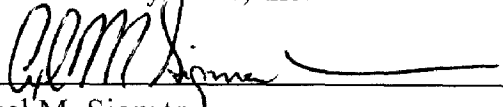
<u>Country</u>	<u>Patent No.</u>	<u>Title</u>	<u>Issue Date</u>
Singapore	50591	CONNECTOR FOR UNDERWATER CABLES	23FE1995
<u>Country</u>	<u>Patent Application Serial Number</u>	<u>Title</u>	<u>Filing Date</u>
United States	08/922712	MAGNETIC DRIVE SUBASSEMBLY IN A DEPTH CONTROL DEVICE	03SE1997
United States	08/964055	RECHARGEABLE BATTERY PACK	04NO1997
United States	08/950827	UNDERWATER DEVICE WITH A SACRIFICIAL LATCH MECHANISM	15OC1997
United States	09/043447	COIL SUPPORT DEVICE FOR AN UNDERWATER CABLE	20MR1998
United States	09/043458	ELECTRICAL POWER DISTRIBUTION AND COMMUNICATION SYSTEM FOR AN UNDERWATER CABLE	20SE1996
United States	09/094487	DEPTH CONTROL DEVICE FOR AN UNDERWATER CABLE	10JE1998
United States	09/161271	UNDERWATER CABLE ARRANGEMENT	28SE1998
Australia	73751/96	COIL SUPPORT DEVICE FOR AN UNDERWATER CABLE	20SE1996
Australia	72419/96	ELECTRICAL POWER DISTRIBUTION AND COMMUNICATION SYSTEM FOR AN UNDERWATER CABLE	20SE1996
Australia	69997/98	DEPTH CONTROL DEVICE FOR AN UNDERWATER CABLE	09JE1998
Canada	2036124	HYDROACOUSTIC RANGING SYSTEM	11FE1991
Canada	2143245	CONNECTOR FOR UNDERWATER CABLES	23FE1995
Canada	2149101	LONG LIFE BATTERY OPERATED ACOUSTIC UNDERWATER BUOY RELEASE SYSTEM	10MY1995
Canada	2232570	COIL SUPPORT DEVICE FOR AN UNDERWATER CABLE	20SE1996
Canada	2232562	ELECTRICAL POWER DISTRIBUTION AND COMMUNICATION SYSTEM FOR AN UNDERWATER CABLE	20SE1996
Canada	2240223	DEPTH CONTROL DEVICE FOR AN UNDERWATER CABLE	10JE1998

<u>Country</u>	<u>Patent Application Serial Number</u>	<u>Title</u>	<u>Filing Date</u>
Canada	2249950	UNDERWATER DEVICE WITH A SACRIFICIAL LATCH MECHANISM	14OC1998
European Patent Convention	94306061.6	UNDERWATER PULSE TRACKING SYSTEM	17AU1994
European Patent Convention	95301194.7	CONNECTOR FOR UNDERWATER CABLES	23FE1995
European Patent Convention	96935999.1	COIL SUPPORT DEVICE FOR AN UNDER- WATER CABLE	20SE1996
European Patent Convention	96933844.1	ELECTRICAL POWER DISTRIBUTION AND COMMUNICATION SYSTEM FOR AN UNDER- WATER CABLE	20SE1996
European Patent Convention	98201954.9	DEPTH CONTROL DEVICE FOR AN UNDER- WATER CABLE	12JE1998
Finland	910838	HYDROACOUSTIC RANGING SYSTEM	21FE1991
Finland	930260	TWO-WIRE MULTI-CHANNEL STREAMER COMMUNICATION SYSTEM	22JA1993
Japan	48987/3	HYDROACOUSTIC RANGING SYSTEM	21FE1991
Norway	94.3308	UNDERWATER PULSE TRACKING SYSTEM	07SE1994
Norway	95.0691	CONNECTOR FOR UNDERWATER CABLES	23FE1995
Norway	95.2195	LONG LIFE BATTERY OPERATED ACOUSTIC UNDERWATER BUOY RELEASE SYSTEM	02JE1995
Norway	98.1286	COIL SUPPORT DEVICE FOR AN UNDER- WATER CABLE	20SE1996
Norway	98.1285	ELECTRICAL POWER DISTRIBUTION AND COMMUNICATION SYSTEM FOR AN UNDER- WATER CABLE	20SE1996
Norway	98.2698	DEPTH CONTROL DEVICE FOR AN UNDER- WATER CABLE	11JE1998
Norway	98.4785	UNDERWATER DEVICE WITH A SACRIFICIAL LATCH MECHANISM	14OC1998

<u>Country</u>	<u>Patent Application Serial Number</u>	<u>Title</u>	<u>Filing Date</u>
Singapore	9802248-6	COIL SUPPORT DEVICE FOR AN UNDER- WATER CABLE	20SE1996
Singapore	9802249-4	ELECTRICAL POWER DISTRIBUTION AND COMMUNICATION SYSTEM FOR AN UNDER- WATER CABLE	20SE1996
Singapore	9801397-2	DEPTH CONTROL DEVICE FOR AN UNDER- WATER CABLE	11JE1998

I/O Marine Systems, Inc. does hereby covenant and agree that it will, at any time and upon the request of Input/Output, Inc., execute and deliver any and all papers and do all lawful acts that may be necessary or desirable to perfect the title to said patents and patent applications.

IN TESTIMONY WHEREOF, this assignment is executed on the 11th day of August, 1999.

I/O Marine Systems, Inc.
By: 
Axel M. Sigmar

Title: President

Date: August 11, 1999

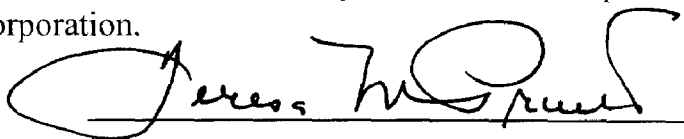
STATE OF TEXAS

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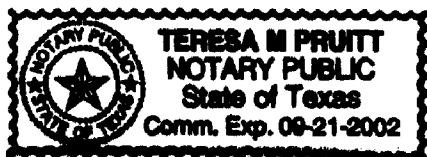
COUNTY OF FORT BEND

§

This instrument was acknowledged before me on August 11, 1999, by Axel M. Sigmar, whose title is President of I/O Marine Systems, Inc., a corporation of the State of Louisiana, on behalf of said corporation.



Notary Public, State of Texas



My commission expires:

09-21-2002

UNITED STATES OF AMERICA

State of Louisiana

Fox McKeithen
SECRETARY OF STATE

As Secretary of State, of the State of Louisiana, I do hereby Certify that
a copy of an Amendment to the Articles of Incorporation of
DIGICOURSE, INC.

Domiciled at HAAHAN, LOUISIANA, changing the corporate name
to

I/O MARINE SYSTEMS, INC.

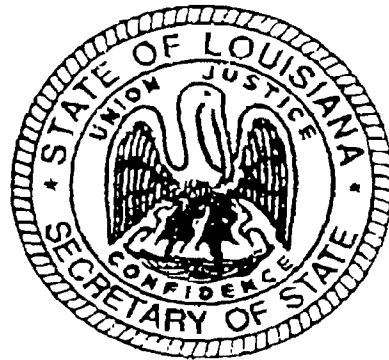
Was filed and recorded in this Office on February 10, 1999.

*In testimony whereof, I have hereunto set
my hand and caused the Seal of my Office
to be affixed at the City of Baton Rouge on.*

February 10, 1999

Fox McKeithen

BBE 30210930D 34741008
Secretary of State



**ARTICLES OF AMENDMENT
OF
DIGICOURSE, INC.**

To the Secretary of State
State of Louisiana

Pursuant to the provisions of the Business Corporation Law of the State of Louisiana, the corporation herein named submits the following articles of amendment:

FIRST: The name of corporation (hereinafter called the "Corporation") is DigiCourse, Inc.

SECOND: The amendment adopted amends Article 1 of the Articles of Incorporation of the Corporation so that said Article shall read as follows:

"The name of the corporation is I/O Marine Systems, Inc."

THIRD: The directors of the Corporation and the sole shareholder adopted the amendment by a consent in writing effective January 29, 1999. The consent is attached hereto as Exhibit "A."

IN WITNESS WHEREOF, these Articles of Amendment are executed in the name of the Corporation by the undersigned officer of the Corporation on February 5, 1999.

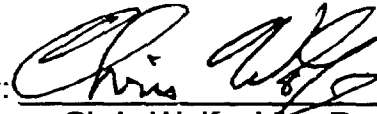
STATE OF LOUISIANA
Office of the Secretary of State
I hereby certify that this is a true
and correct copy, as taken from the
original on file in this office.



Fox McKeithen
Secretary of State

FEB 10 99

DIGICOURSE, INC.

By: 
Chris Wolfe, Vice President

STATE OF TEXAS

§
§
§

COUNTY OF HARRIS

Before me, a Notary Public, on this day personally appeared Chris Wolfe, known to me to be the person and officer whose name is subscribed to the foregoing instrument and acknowledged to me that the same was the act of DigiCourse, Inc., and that he has executed the same on behalf of said corporation for the purposes and consideration therein expressed, and in the capacity therein stated.

Given under my hand and seal of office this 5th day of February, 1999.



Karolyn Ratajczak
Notary Public in and for the State of Texas

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EXHIBIT "A"
Consent

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**UNANIMOUS WRITTEN CONSENT OF
DIRECTORS AND SOLE STOCKHOLDER OF
DIGICOURSE, INC.
IN LIEU OF MEETING**

Pursuant to Section 12:112 of the Business Corporation Law of the State of Louisiana (the "LBCL"), the undersigned, constituting both the Directors and the sole Stockholder of DigiCourse, Inc. (the "Corporation"), hereby consent to and adopt the following resolutions, which action shall have the same force and effect as if taken by unanimous affirmative vote at a meeting of the Board of Directors and stockholders of said Corporation, duly called and held pursuant to the applicable provisions of the LBCL, and direct that this written consent to such action shall be filed with the minutes of the proceedings of the sole Stockholder and Directors of the Corporation.

WHEREAS, the Corporation desires to change its name to I/O Marine Systems, Inc.;

Now, therefore, be it

Approval of Name Change

RESOLVED, that the Corporation will change its name to I/O Marine Systems, Inc.; and, be it

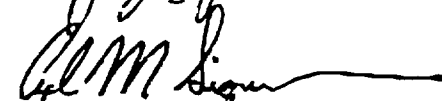
FURTHER RESOLVED, that the Chief Executive Officer, President or any Vice President or the Controller of the Corporation (the "Proper Officers") be, and they hereby are, authorized, empowered and directed in the name of and on behalf of the Corporation to execute, deliver and perform all necessary documents to complete the name change of the Corporation.

IN WITNESS WHEREOF, the Board of Directors and the sole Stockholder of the Corporation have executed this Unanimous Written Consent effective as of the 29 day of January, 1999.

DIRECTORS




W. J. Zeringue



Axel M. Sigmar

SOLE STOCKHOLDER

INPUT/OUTPUT INC.

By: 

Axel M. Sigmar, President