

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: SECURITY AGREEMENT

CONVEYING PARTY DATA

Name	Execution Date
SENSUS USA INC.	05/09/2011
M&FC HOLDING LLC (N/K/A SENSUS SPECTRUM LLC)	05/09/2011

RECEIVING PARTY DATA

Name:	CREDIT SUISSE AG, AS FIRST LIEN COLLATERAL AGENT
Street Address:	ONE MADISON AVENUE
City:	NEW YORK
State/Country:	NEW YORK
Postal Code:	10010

PROPERTY NUMBERS Total: 81

Property Type	Number
Patent Number:	5864068
Patent Number:	6079263
Patent Number:	D615892
Patent Number:	6018995
Patent Number:	7705777
Patent Number:	7782225
Patent Number:	7884737
Patent Number:	5408217
Patent Number:	5457713
Patent Number:	5859869
Patent Number:	5920589
Patent Number:	5999561
Patent Number:	RE35829
Patent Number:	6012483

501562162

PATENT
REEL: 026429 FRAME: 0487

OP \$3240.00 5864068

Patent Number:	6490918
Patent Number:	7650801
Patent Number:	6786103
Patent Number:	5311541
Patent Number:	5377222
Patent Number:	5668828
Patent Number:	5953368
Patent Number:	6031883
Patent Number:	6111911
Patent Number:	6335953
Patent Number:	6639939
Patent Number:	6943749
Patent Number:	6972555
Patent Number:	6975673
Patent Number:	6982651
Patent Number:	7009530
Patent Number:	7012546
Patent Number:	7129972
Patent Number:	7221286
Patent Number:	7359221
Patent Number:	7446672
Patent Number:	7477694
Patent Number:	7511470
Patent Number:	7513683
Patent Number:	7554460
Patent Number:	7638998
Patent Number:	7706745
Patent Number:	RE40111
Patent Number:	5434911
Patent Number:	5438329
Patent Number:	5454031
Patent Number:	5605357
Patent Number:	5856791
Patent Number:	5967568
Patent Number:	6087957

	6168210
Patent Number:	6250167
Patent Number:	6268683
Patent Number:	6453757
Patent Number:	6626048
Patent Number:	6657552
Patent Number:	6734663
Patent Number:	6836108
Patent Number:	6850197
Patent Number:	RE36401
Patent Number:	5598427
Patent Number:	5987058
Application Number:	12629338
Application Number:	12457483
Application Number:	12852684
Application Number:	12847951
Application Number:	61119483
Application Number:	13094474
Application Number:	11682182
Application Number:	11915639
Application Number:	12340272
Application Number:	12414842
Application Number:	12241234
Application Number:	12437594
Application Number:	61426746
Application Number:	61353963
Application Number:	12849877
Application Number:	61372344
Application Number:	61351484
Application Number:	13028287
Application Number:	12437596
Application Number:	11376097

CORRESPONDENCE DATA

Fax Number: (866)826-5420

PATENT
REEL: 026429 FRAME: 0489

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 301-638-0511
Email: ipresearchplus@comcast.net
Correspondent Name: IP Research Plus, Inc.
Address Line 1: 21 Tadcaster Circle
Address Line 2: attn: Penelope J.A. Agodoa
Address Line 4: Waldorf, MARYLAND 20602

ATTORNEY DOCKET NUMBER:

36972

NAME OF SUBMITTER:

Penelope J.A. Agodoa

Total Attachments: 69

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FIRST LIEN PATENT SECURITY AGREEMENT, dated as of May 9, 2011 (this "**Agreement**"), among SENSUS (BERMUDA 2) LTD., a company organized under the laws of Bermuda ("**Holdings**"), SENSUS USA INC., a Delaware Corporation (the "**U.S. Borrower**" and, together with the subsidiaries of the U.S. Borrower listed on Schedule I hereto, the "**Grantors**") and CREDIT SUISSE AG, as collateral agent (in such capacity, the "**Collateral Agent**").

Reference is made to (a) the U.S. Guarantee and Collateral Agreement dated as of May 9, 2011 (as amended, supplemented or otherwise modified from time to time, the "**Security Agreement**"), among Holdings, the U.S. Borrower, the subsidiaries of the U.S. Borrower named therein and the U.S. Collateral Agent and (b) the First Lien Credit Agreement dated as of May 9, 2011 (as amended, supplemented or otherwise modified from time to time, the "**First Lien Credit Agreement**"), among Holdings, the U.S. Borrower, Sensus Metering Systems (LuxCo 2) s.à.r.l. (the "**European Borrower**" and, together with the U.S. Borrower, the "**Borrowers**"), the Lenders named therein ("the **Lenders**") and Credit Suisse AG, as general administrative agent, U.S. collateral agent, European administrative agent and European collateral agent. The Lenders have agreed to extend credit to the Borrowers subject to the terms and conditions set forth in the First Lien Credit Agreement. The obligations of the Lenders to extend such credit are conditioned upon, among other things, the execution and delivery of this Agreement. Holdings and the Subsidiary Grantors identified on Schedule I hereto are affiliates of the Borrowers, will derive substantial benefits from the extension of credit to the Borrowers pursuant to the First Lien Credit Agreement and are willing to execute and deliver this Agreement in order to induce the Lenders to extend such credit. Accordingly, the parties hereto agree as follows:

SECTION 1. Terms. Capitalized terms used in this Agreement and not otherwise defined herein have the meanings specified in the Security Agreement. The rules of construction specified in Section 1.01(b) of the Security Agreement also apply to this Agreement.

SECTION 2. Grant of Security Interest. As security for the payment or performance, as the case may be, in full of the Obligations, each Grantor, pursuant to the Security Agreement, did and hereby does grant to the U.S. Collateral Agent, its successors and assigns, for the ratable benefit of the Secured Parties, a security interest in all right, title or interest in or to any and all of the following assets and properties now owned or at any time hereafter acquired by such Grantor or in which such Grantor now has or at any time in the future may acquire any right, title or interest (collectively, the "**Patent Collateral**"):

all letters patent of the United States or the equivalent thereof in any other country, all registrations and recordings thereof, and all applications for letters patent of the United States or the equivalent thereof in any other country, including registrations, recordings and pending applications in the United States

Patent and Trademark Office or any similar office in any other country, including those listed on Schedule II (the "***Patents***"), and all reissues, continuations, divisions, continuations-in-part, renewals or extensions thereof, and the inventions disclosed or claimed therein, including the right to make, use and/or sell the inventions disclosed or claimed therein.

Notwithstanding the foregoing, "Patent Collateral" shall not include those items set forth in clauses (i) through (iv) of the last sentence of Section 4.01(a) of the Security Agreement.

SECTION 3. Security Agreement. The security interests granted to the U.S. Collateral Agent herein are granted in furtherance, and not in limitation, of the security interests granted to the U.S. Collateral Agent pursuant to the Security Agreement. Each Grantor hereby acknowledges and affirms that the rights and remedies of the U.S. Collateral Agent with respect to the Patent Collateral are more fully set forth in the Security Agreement, the terms and provisions of which are hereby incorporated herein by reference as if fully set forth herein. In the event of any conflict between the terms of this Agreement and the Security Agreement, the terms of the Security Agreement shall govern.

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IN WITNESS WHEREOF, the parties hereto have duly executed this Agreement as of the day and year first above written.

SENSUS (BERMUDA 2) LTD.,

by

Name:
Title:

SENSUS USA INC.,

by

Name:
Title:

SENSUS SPECTRUM LLC,

by

Name:
Title:

SMITH-BLAIR, INC.,

by

Name:
Title:

[Signature Page to First Lien Patent Security Agreement]

[[3280863]]

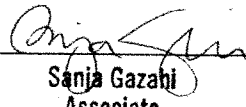
CREDIT SUISSE AG, CAYMAN
ISLANDS BRANCH, as U.S. Collateral
Agent,

by



Name: JUDITH E. SMITH
Title: MANAGING DIRECTOR

by



Name: Sanja Gazahi
Title: Associate

[Signature Page to First Lien Patent Security Agreement]

[[3280863]]

Schedule I

<u>Name of Subsidiary Grantor</u>	<u>Jurisdiction of Organization</u>	<u>Form of Organization</u>
Sensus Spectrum LLC	Delaware	Limited Liability Company
Smith-Blair, Inc.	Delaware	Corporation

PART A: SENSUS USA INC.

COPYRIGHTS

U.S. COPYRIGHTS OWNED BY SENSUS USA INC.

U.S. Copyright Registrations

- TX0005384658, registered October 9, 2001, for Remote Monitoring and Control System (computer program)
- TX0005532989, registered August 7, 2002, for Remote Monitoring and Control System (computer program)

Pending U.S. Copyright Applications for Registration

None.

Non-U.S. Copyright Registrations

None.

Non-U.S. Pending Copyright Applications for Registration

None.

LICENSES

PART 1

LICENSES/SUBLICENSEES OF SENSUS USA INC.
AS LICENSOR ON DATE HEREOF

A. Copyrights

U.S. Copyrights

None.

Non-U.S. Copyrights

None.

B. Patents

U.S. Patents

None.

U.S. Patent Applications

None.

Non-U.S. Patents

None.

Non-U.S. Patent Applications

None.

C. Trademarks

U.S. Trademarks

None.

U.S. Trademark Applications

None.

Non-U.S. Trademarks

None.

Non-U.S. Trademark Applications

None.

D. Others

None.

PART 2

LICENSEES/SUBLICENSES OF SENSUS USA INC.
AS LICENSEE ON DATE HEREOF

A. Copyrights

U.S. Copyrights

None.

Non-U.S. Copyrights

None.

B. Patents

U.S. Patents

- Royalty-bearing Patent License from THAT Corporation to Sensus USA Inc., dated May 1, 2002.
- Royalty-bearing Patent License from Sentec Corporation to Sensus USA Inc., dated October 3, 2005.
- Royalty-bearing Patent License from Sentec Corporation to Sensus USA Inc., dated August 23, 2000, amended April 24, 2002, March 9, 2005, and September 21, 2005.
- Royalty-bearing Patent License from British Gas PLC to Sensus USA Inc., dated June 25, 1996, amended March 1, 2000.
- Royalty-bearing Patent License from British Gas PLC to Sensus USA Inc., dated October 31, 1994, amended March 1, 2000.
- Royalty-bearing Patent License from British Gas PLC to Sensus USA Inc., dated March 1, 2000.
- Royalty free Patent License from Axonn, LLC to Sensus USA Inc., dated May 21, 2003.
- Fully paid Settlement and Patent License from IPCO, LLC and SIPCO, LLC to Sensus USA Inc., dated September 30, 2010.
- Fully paid Settlement and Patent License Agreement from EON Corp. IP Holdings, LLC to Sensus USA Inc., dated April, 2011.

U.S. Patent Applications

None.

Non-U.S. Patents

None.

Non-U.S. Patent Applications

None.

C. Trademarks

U.S. Trademarks

None.

U.S. Trademark Applications

None.

Non-U.S. Trademarks

None.

Non-U.S. Trademark Applications

None.

D. Others

None.

PATENTS

PATENTS OWNED BY SENSUS USA INC.

U.S. Patent Registrations

Pub/Patent No.	Assignee	Country	Status	App No.	App Date	Pub/Grant Date	Title
2.01E+10	Sensus USA Inc.	US	Filed	12/629,338	12/3/2008 (filing date of provisional 61/119483)	Pub Dt: 06/03/2010	Method & System for Phase Load Discovery
2.01E+10	Sensus USA Inc.	US	Filed	12/457,483	12-Jun-2009	Pub Dt: 12/16/2010	Magnetic Flow Meter and Method of Manufacturing a Magnetic Flow Meter
	Sensus USA Inc.	US	Filed	US 29/338,548	12-Jun-2009		Magn.-induktiver Durchflussmesser/ magn.-ind. Flow-meter
	Senus USA, Inc.	US	Filed	12/852,684	9-Aug-2010		Method and Apparatus for Controlling Gas Flow via a Shut-Off Valve Assembly
	Sensus USA Inc.	US	Filed	12/847,951	30-Jul-2010		GFSK Receiver Architecture and Methodology
	Sensus USA Inc.	US	Filed	61/119483	3-Dec-2008		System and Method for Phase Load Discovery
	Sensus USA Inc.	US	Filed	13/094474	4/26/2011		Method and Apparatus for Capturing Energy from a Reading Device
US 5,864,068	H. MEINECKE AG -subsequent assignment from Sensus USA Inc and M&FC Holding, LLC to Credit Suisse (but no record of an assignment from H.Meinecke AG to either Sensus USA or M&FC Holding, LLC)	US	Granted	11/13/1901	21-Jan-1997	26-Jan-1999	Woltmannzähler / woltmann meter
US6079263	H. MEINECKE AG -subsequent assignment from Sensus USA Inc and M&FC Holding, LLC to Credit Suisse (but no record of an assignment from H.Meinecke AG to either Sensus USA or M&FC Holding, LLC)	US	Granted	US1998000062454 09/062454	17-Apr-1998	27-Jun-2000	Compound water meter having impeller rotatably supported between main meter measuring and switch-over valve insets
WO2006099598A3	SENSUS METERING SYSTEMS INC						DETERMINING A PHYSICAL LOCATION OF A SENSOR

Schedule II

WO2010142450A1	SENSUS METERING SYSTEMS INC						MAGNETIC-INDUCTIVE FLOW METER
WO2010142451A1	SENSUS METERING SYSTEMS INC						MAGNETIC-INDUCTIVE FLOW METER
WO2010065591A1	SENSUS USA INC						SYSTEM AND METHOD FOR DETERMINING A LOAD 'S PHASE IN A THREE-PHASE SYSTEM
WO2010144235A1	SENSUS USA INC						MAGNETIC FLOW METER AND METHOD OF MANUFACTURING A MAGNETIC FLOW METER
D615,892	SENSUS USA INC.	US	Granted	29/338,548	12-Jun-2009	18-May-2010	Flow Meter

U.S. Patent Applications

None.

Non-U.S. Patent Registrations

Pub/Patent No.	Assignee	Country	Status	App No.	App Date	Pub/Grant Date	Title
	SENSUS METERING SYSTEMS	CA	Filed	2601076A1	PCT filing date 3/16/2006; national entry date 9/12/007	PCT publication date 9/21/2006	METHOD, SYSTEM, APPARATUS, AND COMPUTER PROGRAM PRODUCT FOR DETERMINING A PHYSICAL LOCATION OF A SENSOR
	SENSUS USA INC.	PCT	Filed	PCT/US2010/035897	24-May-2010		Magnetic Flow Meter
	SENSUS METERING SYSTEMS	PCT/EP	Filed	PCT/EP2010/003502	11-Jun-2010	-	Magn.-induktiver Durchflussmesser/ magn.-ind. Flow-meter
	SENSUS METERING SYSTEMS	PCT/EP	Filed	PCT/EP2010/003503	11-Jun-2010	-	Magn.-induktiver Durchflussmesser/ magn.-ind. Flow-meter
CZ18336U1	SENSUS METERING SYSTEMS	CZ				12-Mar-2008	System for measuring consumption of hot service water
DE 20 2009 017 275	SENSUS METERING SYSTEMS	DE	Granted	DE 20 2009 017 275	19-Dec-2009	2-Jun-2010	Magn.-induktiver Durchflussmesser/ magn.-ind. Flow-meter
CZ200700442A3	SENSUS METERING SYSTEMS	CZ					Method of and device for measuring consumption of hot service water and/or heat
DE202009017274U1	SENSUS METERING SYSTEMS	DE				2-Jun-2010	Magnetisch-induktiver Durchflussmesser
SK2006506120A3	SENSUS METERING SYSTEMS	SK					Method and device for measuring consumption of warm supply water and/or heat
SK287197B6	SENSUS METERING SYSTEMS	SK				8-Mar-2010	Method and device for measuring consumption of warm supply water and/or heat

Schedule II

280417	Sensus Metering Systems Inc.	MX	Granted	MX/a/2007/011378	16-Mar-2005	27-Oct-2010	Method, System, Apparatus and Computer Program Product
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Non-U.S. Patent Registrations

None.

TRADEMARKS

TRADEMARK/TRADE NAMES OWNED BY SENSUS USA INC.

U.S. Trademark Registrations

Owner	Status	Country Name	Trademark Name	Application Number	Application Date	Registration Number	Registration Date
Invensys Metering Systems – North America, Inc.	registered	CTM	SONIX	3293529	31-Jul-2003	3293529	21-Feb-2005

U.S. Trademark Applications

None.

State Trademark Registrations

None.

Non-U.S. Trademark Registrations

None.

Non-U.S. Trademark Applications

None.

Trade Names

None.

PART B: SENSUS (BERMUDA 2) LTD.

COPYRIGHTS

U.S. COPYRIGHTS OWNED BY
SENSUS (BERMUDA 2) LTD.

U.S. Copyright Registrations

None.

Pending U.S. Copyright Applications for Registration

None.

Non-U.S. Copyright Registrations

None.

Non-U.S. Pending Copyright Applications for Registration

None.

LICENSES

PART I

LICENSES/SUBLICENSEES OF
SENSUS (BERMUDA 2) LTD.
AS LICENSOR ON DATE HEREOF

A. Copyrights

U.S. Copyrights

None.

Non-U.S. Copyrights

None.

B. Patents

U.S. Patents

None.

U.S. Patent Applications

None.

Non-U.S. Patents

None.

Non-U.S. Patent Applications

None.

C. Trademarks

U.S. Trademarks

None.

U.S. Trademark Applications

None.

Non-U.S. Trademarks

None.

Non-U.S. Trademark Applications

None.

D. Others

None.

PART 2

LICENSEES/SUBLICENSES OF
SENSUS (BERMUDA 2) LTD.
AS LICENSEE ON DATE HEREOF

A. Copyrights

U.S. Copyrights

None.

Non-U.S. Copyrights

None.

B. Patents

U.S. Patents

None.

U.S. Patent Applications

None.

Non-U.S. Patents

None.

Non-U.S. Patent Applications

None.

C. Trademarks

U.S. Trademarks

None.

U.S. Trademark Applications

None.

Non-U.S. Trademarks

None.

Non-U.S. Trademark Applications

None.

D. Others

None.

PATENTS

PATENTS OWNED BY SENSUS (BERMUDA 2) LTD.

U.S. Patent Registrations

None.

U.S. Patent Applications

None.

Non-U.S. Patent Registrations

None.

Non-U.S. Patent Registrations

None.

TRADEMARKS

TRADEMARK/TRADE NAMES OWNED BY
SENSUS METERING SYSTEMS (BERMUDA 2) LTD.

U.S. Trademark Registrations

None.

U.S. Trademark Applications

None.

State Trademark Registrations

None.

Non-U.S. Trademark Registrations

None.

Non-U.S. Trademark Applications

None.

Trade Names

None.

PART C: SENSUS SPECTRUM LLC

COPYRIGHTS

U.S. COPYRIGHTS OWNED BY SENSUS SPECTRUM LLC

U.S. Copyright Registrations

None.

Pending U.S. Copyright Applications for Registration

None.

Non-U.S. Copyright Registrations

None.

Non-U.S. Pending Copyright Applications for Registration

- Application Number 001263586-001bis....0007, dated April 3, 2011, for IPERL Geschmacksmuster

LICENSES

PART I

LICENSES/SUBLICENSEES OF SENSUS SPECTRUM LLC
AS LICENSOR ON DATE HEREOF

A. Copyrights

U.S. Copyrights

None.

Non-U.S. Copyrights

None.

B. Patents

U.S. Patents

None.

U.S. Patent Applications

None.

Non-U.S. Patents

None.

Non-U.S. Patent Applications

None.

C. Trademarks

U.S. Trademarks

None.

U.S. Trademark Applications

None.

Non-U.S. Trademarks

None.

Non-U.S. Trademark Applications

None.

D. Others

None.

PART 2

LICENSEES/SUBLICENSES OF SENSUS SPECTRUM LLC
AS LICENSEE ON DATE HEREOF

A. Copyrights

U.S. Copyrights

None.

Non-U.S. Copyrights

None.

B. Patents

U.S. Patents

None.

U.S. Patent Applications

None.

Non-U.S. Patents

None.

Non-U.S. Patent Applications

None.

C. Trademarks

U.S. Trademarks

None.

U.S. Trademark Applications

None.

Non-U.S. Trademarks

None.

Non-U.S. Trademark Applications

None.

D. Others

None.

PATENTS

PATENTS OWNED BY SENSUS SPECTRUM LLC

U.S. Patent Registrations

Pub/Patent No.	Assignee	Country	Status	App No.	App Date	Pub/Grant Date	Title
20080218164	M&FC HOLDING, LLC	US	Filed	11/682,182	5-Mar-2007	Pub Dt: 9/11/2008	Automated Meter Reader
20080272981	M&FC HOLDING, LLC	US	Filed	11/915,639	6/23/2008 (national phase entry of PCT application filed 5/24/2006)	6-Nov-2008	Low Profile Helical Planar Antenna with Plural Conductors
20090103509	M&FC HOLDING, LLC	US	Filed	12/340,272	19-Dec-2008	23-Apr-2009	Wireless Packet Data Communication System
20090243869	M&FC HOLDING, LLC	US	Filed	12/414842	3/31/2009 (claims priority to provisional application 04/01/2008)	1-Oct-2009	Universal Software Defined Home Gateway
20100077852	M&FC HOLDING, LLC	US	Filed	12/241234	30-Sep-2008	1-Apr-2010	Gas meter Diaphragm
20100282579	M&FC HOLDING, LLC	US	Filed	12/437594	8-May-2009		Electricity Meter Remote Disconnect Switch
		US	Filed	61/426,746	23-Dec-2010		Mult-Band Channel Capacity for Meter Network
		US	Filed	61/353,963	11-Jun-2010		Enhanced Electricity Meter with Processing
		US	Filed	12/849877	4-Aug-2010		Method and System of Measuring Current in an Electric Meter
		US	Filed	61/372,344	10-Aug-2010		Electric Utility Meter To Simulate Enhanced Functionality
		US	Filed	61/351,484	4-Jun-2010		Method and System for Non-Intrusive Load Monitoring
		US	Filed	13/028,287	16-Feb-2011		Split Ring Gland Pipe Coupling with Corrugated Armor
	M&FC HOLDING, LLC	US	Filed	12/437596	8-May-2009		Magnetic Latching Actuator
	M&FC HOLDING, LLC	US	Filed	11/376,097	3/16/2006 (claims priority to provisional filing on 3/16/2005)	Issue Dt: 05/17/2011	Method, System, Apparatus and Computer Program for Determining a Physical Location of a Sensor
US6018995	M & FC HOLDING LLC	US	Granted	US1998000016035 09/016035	1/30/1998 (German priority date 08/01/1997)	Issue Dt: 2/1/2000	Oscillating piston flowmeter
7705777	M&FC HOLDING, LLC	US	Granted	11/562,716	11/22/2006 (priority claimed back to	Issue Dt: 04/27/2010	Mobile Multifrequency Transmitter Transmitting on Frequencies Based on Geographic Locations and a Method

Schedule II

					provisional application filed 3/30/2001)		Thereof
7,782,225	M&FC HOLDING, LLC	US	Granted	11/313,727	22-Dec-2005	24-Aug-2010	Modular Wireless Fixed Networkfor Wide-Area Metering Data Collection and Meter Module Apparatus
7,884,737	M&FC HOLDING, LLC	US	Granted	11/373,504	13-Mar-2006	8-Feb-2011	Modular Wireless Fixed Networkfor Wide-Area Metering Data Collection and Meter Module Apparatus
5408217	GLOBALSTAR, INC.with a license to M&FC Holding, LLC	US	Granted	08/210431	21-Mar-1994	18-Apr-1995	SECURE FIRE/SECURITY/SENSOR TRANSMITTER SYSTEM
5457713	GLOBALSTAR, INC.with a license to M&FC Holding, LLC	US	Granted	08/206173	7-Mar-1994	10-Oct-1995	SPREAD SPECTRUM ALIGNMENT REPOSITIONING METHOD
5859869	GLOBALSTAR, INC.with a license to M&FC Holding, LLC	US	Granted	08/559914	17-Nov-1995	12-Jan-1999	LOW COST BINARY PHASE SHIFT KEYING MODULATION TRANSMITTER SYSTEM
5920589	GLOBALSTAR, INC.with a license to M&FC Holding, LLC	US	Granted	08/559913	17-Nov-1995	6-Jul-1999	DIRECT SEQUENCE SPREAD SPECTRUM DSP SYSTEM
5999561	GLOBALSTAR, INC.with a license to M&FC Holding, LLC	US	Granted	08/929891	15-Sep-1997	7-Dec-1999	DIRECT SEQUENCE SPREAD SPECTRUM METHOD, COMPUTER-BASED PRODUCT, APPARATUS AND SYSTEM TOLERANT TO FREQUENCY REFERENCE OFFSET
RE35829	GLOBALSTAR, INC.with a license to M&FC Holding, LLC	US	Granted	08/560304	17-Nov-1995	23-Jun-1998	BINARY PHASE SHIFT KEYING MODULATION SYSTEM AND/OR FREQUENCY MULTIPLIER
US6012483	H. MEINECKE AG -subsequent assignment from Sensus USA Inc and M&FC Holding, LLC to Credit Suisse (but no record of an assignment from H.Meineche AG to either Sensus USA or M&FC Holding, LLC)	US	Granted	US1998000061728 09/061728	17-Apr-1998	11-Jan-2000	Switch-over valve having pivot axle articulated closure wings
US 6,490,918	M & FC HOLDING LLC	US	Granted	US 09/799,319	5-Mar-2001	10-Dec-2002	Ringkolbenzähler
US 7 650 801	M & FC HOLDING LLC	US	Granted	11/991,706	5-Sep-2006	26-Jan-2010	Turbinenzähler
US 6,786,103	M & FC HOLDING LLC	USA	Granted	US 10/169,004	18-Oct-2001	7-Sep-2004	Wasserzähler / water meter
5311541	M&FC HOLDING, LLC	US	Granted	07/880,268	8-May-1992	10-May-1994	Frequency Agile Radio
5377222	M&FC HOLDING, LLC	US	Granted	08/103,993	10-Aug-1993	27-Dec-1994	Frequency Agile Radio
5668828	M&FC HOLDING, LLC	US	Granted	08/311,774	23-Sep-1994	16-Sep-1997	Enhanced Frequency Agile
5953368	M&FC HOLDING, LLC	US	Granted	08/859,378	20-May-1997	14-Sep-1999	Wireless Alarm System
6031883	M&FC HOLDING, LLC	US	Granted	08/931,416	16-Sep-1997	29-Feb-2000	Enhanced Frequency Agile
6111911	M&FC HOLDING, LLC	US	Granted	08/485007	7-Jun-1995	29-Aug-2000	DIRECT SEQUENCE FREQUENCY AMBIGUITY RESOLVING RECEIVER
6335953	M&FC HOLDING, LLC	US	Granted	09/432,258	2-Nov-1999	1-Jan-2002	Enhanced Frequency Agile

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6639939	M&FC HOLDING, LLC	US	Granted	09/359441 (claims benefit to provisional applications filed 7/08/1997 and 05/20/1997)	22-Jul-1999	28-Oct-2003	DIRECT SEQUENCE SPREAD SPECTRUM METHOD COMPUTER-BASED PRODUCT APPARATUS AND SYSTEM TOLERANT TO FREQUENCY REFERENCE OFFSET
6943749	M&FC HOLDING, LLC	US	Granted	10/759259	31-Jan-2003	13-Sep-2005	Printed circuit board Dipole antenna structure with impedance matching trace
6972555	M&FC HOLDING, LLC	US	Granted	10/772818	5-Feb-2004	6-Dec-2005	Electronic Electricity Meter Having Configurable Contacts
6975673	M&FC HOLDING, LLC	US	Granted	09/720,270	23-Feb-2001	13-Dec-2005	Narrow-Band Interference
6982651	M&FC HOLDING, LLC	US	Granted	10/136403	5/2/2002 (claims priority to provisional date 05/02/2001)	3-Jan-2006	Automatic Meter Reading Module
7009530	M&FC HOLDING, LLC	US	Granted	09/950623	13-Sep-2001	Issue Dt: 03/07/2006	MODULAR WIRELESS FIXED NETWORK FOR WIDE-AREA METERING DATA COLLECTION AND METER MODULE APPARATUS
7012546	M&FC HOLDING, LLC	US	Granted	10/199108	22-Jul-2002	Issue Dt: 03/14/2006	MODULAR WIRELESS FIXED NETWORK FOR WIDE-AREA METERING DATA COLLECTION AND METER MODULE APPARATUS
7129972	M&FC HOLDING, LLC	US	Granted	09/956023	9/20/2001 (Japanese priority no. 2000-291163 filed on 9/25/2000)	Issue Dt: 10/31/2006	IMAGE SENSING DEVICE FOR TRANSMITTING IMAGES
7221286	M&FC HOLDING, LLC	US	Granted	11/102274	8-Apr-2005	22-May-2007	Inductive Communications Port for an Communication Automatic Meter reading Device
7359221	M&FC HOLDING, LLC	US	Granted	11/045645	28-Jan-2005	15-Apr-2008	Power Supply for Use in Electronic Energy Meter
7446672	M&FC HOLDING, LLC	US	Granted	11/089303	24-Mar-2005	4-Nov-2008	Method for Connecting Water Meter to Permanently Installed AMR Device
7477694	M&FC HOLDING, LLC	US	Granted	10/662,530	9/16/2003 (claims priority to provisional filing date of 3/30/2001)	Issue Dt: 01/13/2009	Enhanced Wireless Packet Data Communication System, Method and Apparatus Applicable to both wide area networks and local area networks
7511470	M&FC HOLDING, LLC	US	Granted	11/668180	29-Jan-2007	31-Mar-2009	Electronic Tamper Detection Circuit for an Electricity Meter
7513683	M&FC HOLDING, LLC	US	Granted	11/697,590	6-Apr-2007	7-Apr-2009	Method, Apparatus, and System for Detecting Hot Socket Deterioration in an Electrical Meter Connection
7554460	M&FC HOLDING, LLC	US	Granted	11/534707	25-Sep-2006	30-Jun-2009	Utility Meter Antenna for Boxes Ground Mounted Meter
7638998	M&FC HOLDING, LLC	US	Granted	12/371754	02/16/2009 (claims priority to application filed 1/29/2007)	Issue Dt: 12/29/2009	Electronic Tamper Detection Circuit for an Electricity Meter
7706745	M&FC HOLDING, LLC	US	Granted	11/293,313	5-Dec-2005	27-Apr-2010	Method, System, Apparatus, and Computer Program Product for Communications Relay
RE40111	M&FC HOLDING, LLC	US	Granted	09/952,000	14-Sep-2001	26-Feb-2008	Wireless Alarm System
US5434911	M&FC HOLDING, LLC	US	Granted	08/072,737	4-Jun-1993	Issue Dt: 7/18/1995	Call in-bound remote reading and data collection system

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US5438329	M&FC HOLDING, LLC	US	Granted	US199300007224108/072,241	4-Jun-1993	Issue Dt: 8/1/1995	Duplex bi-directional multi-mode remote instrument reading and telemetry system
US5454031	M&FC HOLDING, LLC	US	Granted	US1995000400549	8-Mar-1995	26-Sep-1995	Dial inbound meter interface unit which derives its power from a telephone line
US5605357	M&FC HOLDING, LLC	US	Granted	US199500046111508/461115	5-Jun-1995	25-Feb-1997	Pipe collar
US5856791	M&FC HOLDING, LLC	US	Granted	US199600065823808/658238	4-Jun-1996	5-Jan-1999	Port expander for utility meter reading
US5967568	M&FC HOLDING, LLC	US	Granted	US199700087415208/874152	13-Jun-1997	19-Oct-1999	Plastic pipe adaptor for a mechanical joint
US6087957	M&FC HOLDING, LLC	US	Granted	US199300014141208/141412	22-Oct-1993	11-Jul-2000	Meter data gathering and transmission system
US6168210	M&FC HOLDING, LLC	US	Granted	US199800010022109/100221	19-Jun-1998	2-Jan-2001	Pipe coupling
US6250167	M&FC HOLDING, LLC	US	Granted	US199800014416009/144160	31-Aug-1998	26-Jun-2001	Removable radio frequency sensor assembly for a turbine flow meter
US6268683	M&FC HOLDING, LLC	US	Granted	09/258475	26-Feb-1999	31-Jul-2001	Transducer configurations and related method
US6453757	M&FC HOLDING, LLC	US	Granted	US199900030599109/305991	6-May-1999	24-Sep-2002	Symmetrical ultrasound gas flow meter housing and related multi-configuration gas flow meter assembly
US6626048	M&FC HOLDING, LLC	US	Granted	09/806257	7/9/2001 (national stage entry date for PCT application filed 9/28/1999; original UK priority date 9/29/1998)	30-Sep-2003	MAGNETIC FLOW METER
US6657552	M&FC HOLDING, LLC	US	Granted	10138332	5/6/2002 (claims priority to provisional application filed 5/4/2001)	Issue Dt: 12/2/2003	System and Method For Communicating and Control of Automated Meter Reading
US6734663	M&FC HOLDING, LLC	US	Granted	10/205489	7/26/2002 (claims priority to provisional application filed 7/27/01)	Issue Dt: 5/11/2004	Solid State Electricity Meter
US6836108	M&FC HOLDING, LLC	US	Granted	10/699,806	3-Nov-2003	Issue Dt: 12/28/2004	Three-phase electricity meter including integral test
US6850197	M&FC HOLDING, LLC	US	Granted	10/355312	31-Jan-2003	Issue Dt: 2/1/2005	Printed circuit board antenna structure
USRE36401	M&FC HOLDING, LLC	US	Granted	US1997000926192	9-Sep-1997	23-Nov-1999	Tandem rotor turbine meter and field calibration module
5598427	NORTHPEAK WIRELESS, LLC with license to M&FC Holding, LLC	US	Granted	07/782345	24-Oct-1991	28-Jan-1997	WIRELESS ALARM SYSTEM
5987058	NORTHPEAK WIRELESS, LLC with license to M&FC Holding, LLC	US	Granted	08/487523	7-Jun-1995	16-Nov-1999	WIRELESS ALARM SYSTEM
WO2010094436A1	SENSUS SPECTRUM LLC						CONSUMPTION COUNTER FOR FLUIDS

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WO201012 9829A1	SENSUS SPECTRUM LLC						ELECTRICITY METER CONTACT ARRANGEMENT
WO201012 9830A1	SENSUS SPECTRUM LLC						MAGNETIC LATCHING ACTUATOR
WO201014 5751A1	SENSUS SPECTRUM LLC						HOUSING MADE OF FIBRE- REINFORCED PLASTIC
WO200600 5894A1	SENSUS TECH LTD						APPARATUS FOR TESTING MULTIPLE NETWORKS
WO200001 9174A1	SENSUS TECHNOLOGIES INC						MAGNETIC FLOW METER

U.S. Patent Applications

None.

Non-U.S. Patent Registrations

Pub/Patent No.	Assignee	Countr y	Status	App No.	App Date	Pub/ Grant Date	Title
	M & FC Holding LLC	AU	Filed	2008280991	24-Jul-2008		Liquid consumption meter
		BR	Filed	PI 0615660-6	5-Sep-2006		Turbinenzähler
	M&FC HOLDING, LLC	Braz	Filed	PCT/US07/07 9147	1-Apr-2008		Utility Meter Antenna for Boxes Ground Mounted Meter
	M&FC HOLDING, LLC	CA	Filed	2456379	31-Jan-2003		Printed circuit board Dipole antenna structure with impedance matching trace
	SENSUS SPECTRUM LLC	CA	Filed	2719913A1	PCT filing date 3/31/2009; national entry date 9/28/2010	PCT publication date: 10/8/2009	UNIVERSAL SOFTWARE DEFINED HOME GATEWAY
	M&FC HOLDING, LLC	Canada	Filed	2451298	26-Jul-2002		Solid State Electricity Meter
	M&FC HOLDING, LLC	Canada	Filed	2447532	6-May-2002		System and Method For Communicating and Control of Automated Meter
	M&FC HOLDING, LLC	Canada	Filed	2557328	3-Feb-2004		Power Supply for Use in Electronic Energy Meter
	M&FC HOLDING, LLC	Canada	Filed	2447515	2-May-2002		Add-on Module for Utility Meters
	M&FC HOLDING, LLC	Canada	Filed	2455068	31-Jan-2003		Printed circuit board antenna structure
	M&FC HOLDING, LLC	Canada	Filed	2604881	8-Apr-2005		Inductive Communications Port for an Communication Automatic Meter reading Device
	M&FC HOLDING, LLC	Canada	Filed	2619259	29-Jan-2007		Electronic Tamper Detection Circuit for an Electricity Meter

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	M&FC HOLDING, LLC	Canada	Filed	2602030	24-Mar-2005		Method and apparatus for Coupling Meter reading Communication to an Automatic Devices
		CH/LI	Filed	CH 2001 0668/01	9-Apr-2001	-	Wärmemengenmeßgerät
	M&FC HOLDING, LLC	Chile	Filed	921-2002	4-May-2001		System and Method For Communicating and Control of Automated Meter
		CL	Filed	2006-2380	8-Sep-2006		Turbinenzähler
		CL	Filed	2007-2365	14-Aug-2007		Wasserzähler
101358866		CN	Filed	2008 10093368	15-Apr-2008		Consumption meter for fluid
	M & FC HOLDING LLC	CN	Filed	2006 80032582	5-Sep-2006		Turbinenzähler
DE 10 2004 035 431	M & FC HOLDING LLC	DE	Filed	DE 10 2004 035 431	21-Jul-2004		Verfahren und Vorrichtung zur hochgenauen digitalen Messung eines Analogsignals
DE 10 2005 006 598	M & FC HOLDING LLC	DE	Filed	DE 10 2005 006 598	11-Feb-2005	-	Einstrahlzähler
DE 10 2005 061 216	M & FC HOLDING LLC	DE	Filed	DE 10 2005 061 216	20-Dec-2005		Verbrauchszähler
DE 10 2006 0144 113		DE	Filed	DE 10 2006 0144 113	20-Sep-2006		Wasserzähler
DE 10 2006 030 669	M & FC HOLDING LLC	DE	Filed	DE 10 2006 030 669	4-Jul-2006		Messeinsatz für Flüssigkeitszähler
DE 10 2006 035 904	M & FC HOLDING LLC	DE	Filed	DE 10 2006 035 904	31-Jul-2006		Ringkolbenzähler
DE 10 2009 009 737	M & FC HOLDING LLC	DE	Filed	DE 10 2009 009 737	19-Feb-2009		Verbrauchszähler für Flüssigkeiten/meter for consumption of liquids
DE 197 29 473	M & FC HOLDING LLC	DE	Filed	DE 197 29 473.1	10-Jul-1997	-	Ultraschall-Durchflußmesser / ultrasonic flow meter
DE1005227 4A1	H. MEINECKE AG	DE	Filed	DE200001005 2274	20-Oct-2000	16-May-2002	WASSERZAEHLER
	M & FC HOLDING LLC	DE	Filed	DE 10 2007 036 117	1-Aug-2007	-	Verbrauchszähler für Flüssigkeiten
	M & FC HOLDING LLC	DE	Filed	DE 10 2009 024 521	10-Jun-2009		Ringkolbenzähler/ piston meter
		DE	Filed	DE 10 2010 005 231	21-Jan-2010		Verfahren zum Detektieren der Rotation eines Rotors
		DE	Filed	DE 10 2010 013 802	3-Apr-2010		Ringkolbenzähler
		DE	Filed	DE 10 2010 014 487	10-Apr-2010		Verfahren zum Herstellen von ringförmigen zug- oder druckbelasteten Formköpern aus Kunststoff
EP 1 754 026	M & FC HOLDING LLC	EP	Filed	EP 05 776 235.3	1-Jun-2005		Verfahren und Vorrichtung zum Messen der Strömungsgeschwindigkeit von Fluiden
EP 1 846 732	M & FC HOLDING LLC	EP	Filed	EP 06 706 654	4-Feb-2006		Einstrahlzähler
EP 1 963 804	M & FC HOLDING LLC	EP	Filed	EP 06 829 410	8-Dec-2006		Verbrauchszähler/ consumption meter
EP 2 035 787	M & FC HOLDING LLC	EP	Filed	EP 07 764 857	26-Jul-2007		Messeinsatz für Flüssigkeitszähler/Measurement insert for fluid meters

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EP 2 047 217	M & FC HOLDING LLC	EP	Filed	07785995	11-Jul-2007		Ringkolbenzähler
EP2261611	Sensus Spectrum LLC	EP	Filed	EP201000058 40		15-Dec-2010	Method for reducing the bypass flow flowing through the gap between partition wall and ring piston wall of a ring piston meter
		EP	Filed	EP 10 005 840	7-Jun-2010		Ringkolbenzähler/ piston meter
		EP	Filed				Gehäuse für faserverstärkten Kunststoff
EP 2 174 099	M & FC HOLDING LLC	EP(FR,H U,PL,SK, CH,LI,TR, GB)	Filed	EP 08 785 010	24-Jul-2008		Verbrauchszähler für Flüssigkeiten
EP1393022	M&FC HOLDING, LLC	EPC	Filed	2766872.2	2-May-2002		Add-on Module for Utility Meters
	M&FC HOLDING, LLC	EPC	Filed	4250434	31-Jan-2003		Printed circuit board Dipole antenna structure with impedance matching trace
	M&FC HOLDING, LLC	EPC	Filed	2746335.5	6-May-2002		System and Method For Communicating and Control of Automated Meter
	M&FC HOLDING, LLC	EPC	Filed	4250287.2	21-Jan-2004		Printed circuit board antenna structure
	M&FC HOLDING, LLC	EPC	Filed	6749125.8	3-Apr-2006		Inductive Communications Port for an Communication Automatic Meter reading Device
	M&FC HOLDING, LLC	EPC	Filed	7814962.2	25-Sep-2006		Utility Meter Antenna for Boxes Ground Mounted Meter
	M&FC HOLDING, LLC	EPC	Filed	8250332.7	29-Jan-2007		Electronic Tamper Detection Circuit for an Electricity Meter
	M&FC HOLDING, LLC	EPC	Filed	6734998.5	24-Mar-2005		Method and apparatus for Coupling Meter reading Communication to an Automatic Devices
1128758A		HK	Filed	9106757	23-Jul-2008		Verbrauchszähler für Flüssigkeiten
HK 1123601		HK	Filed	9101444	5-Sep-2006		Turbinenzähler
	M & FC HOLDING LLC	IL	Filed	189977	5-Sep-2006		Turbinenzähler
	M & FC HOLDING LLC	KR	Filed	20087005680	5-Sep-2006		Turbinenzähler
		MA	Filed				Verbrauchszähler für Flüssigkeiten
	M&FC HOLDING, LLC	Mex	Filed	MX/a/2009/00 3152	25-Sep-2006		Utility Meter Antenna for Boxes Ground Mounted Meter
	M&FC HOLDING, LLC	Mex	Filed	MX/a/2009/00 1437	29-Jan-2007		Electronic Tamper Detection Circuit for an Electricity Meter
		MX	Filed	MX/A/2008/00 3226	5-Sep-2006		Turbinenzähler
		MX	Filed	2010001109	28-Jan-2010		Verbrauchszähler für Flüssigkeiten
		MY	Filed				Verbrauchszähler für Flüssigkeiten
		NZ	Filed				Verbrauchszähler für Flüssigkeiten

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WO 2005/12171 1	M & FC Holding LLC	PCT	Filed	PCT/EP2005/ 005894	1-Jun-2005	-	Verfahren und Vorrichtung zum Messen der Strömungsgeschwindigkeit von Fluiden
WO 2006/02126 6	M & FC Holding LLC	PCT	Filed	PCT/EP2005/ 007515	12-Jul-2005	-	Verfahren und Vorrichtung zur hochgenauen digitalen Messung eines Analogsignals
WO 2006/08460 2	M & FC Holding LLC	PCT	Filed	PCT/EP2006/ 000799	31-Jan-2006		Rollenzählwerk für Verbrauchszähler
WO 2006/10458 0	M & FC HOLDING LLC	PCT	Filed	PCT/US2006/ 005120	13-Feb-2006		Method and apparatus with Inductive coupling connector
WO 2006/11036 2	M & FC HOLDING LLC	PCT	Filed	PCT/US2006/ 005120	3-Apr-2006		Inductive communication port
WO 2007/02856 7	M & FC Holding LLC	PCT	Filed	PCT/EP2006/ 008625	5-Sep-2006		Turbinenzähler
WO 2007/07133 0	M & FC HOLDING LLC	PCT	Filed	PCT/EP2006/ 011798	8-Dec-2006		Verbrauchszähler/ consumption meter
WO 2008/00341 5	M & FC HOLDING LLC	PCT	Filed	PCT/EP2007/ 005632	26-Jul-2007		Messeinsatz für Flüssigkeitszähler/Measurement insert for fluid meters
WO 2008/01487 2	M & FC HOLDING LLC	PCT	Filed	PCT/EP2007/ 006139	11-Jul-2007		Ringkolbenzähler
WO 2008/01975 2	M & FC HOLDING LLC	PCT	Filed	PCT/EP2007/ 006503	21-Jul-2007	-	Wasserzähler
WO 2009/01581 9	M & FC HOLDING LLC	PCT	Filed	PCT/EP2008/ 006057	24-Jul-2008	-	Verbrauchszähler für Flüssigkeiten
WO 2010/09443 6	SENSUS SPECTRUM LLC	PCT	Filed	PCT/EP2010/ 000878	12-Feb-2010		Verbrauchszähler für Flüssigkeiten/meter for consumption of liquids
	SENSUS SPECTRUM LLC	PCT	Filed	PCT/EP2010/ 003265	28-May-2010		Gehäuse für faserverstärkten Kunststoff
	M&FC HOLDING, LLC	PCT	Filed	PCT/US09/03 8902	1-Apr-2008		Universal Software Defined Home Gateway
		PCT (JP)	Filed	2002 - 536 501	18-Oct-2001	-	Wasserzähler / water meter
	M&FC Holding LLC	PL	Filed	P 363 566	5-Mar-2002		Wandler für Ultraschall-Durchflußmesser/ sealing for ultrasonic transducer
		RU	Filed	2010 107 247/28	24-Jul-2008		Verbrauchszähler für Flüssigkeiten
		TN	Filed				Verbrauchszähler für Flüssigkeiten
		UA	Filed				Verbrauchszähler für Flüssigkeiten
		ZA	Filed				Verbrauchszähler für Flüssigkeiten
	Sensus Spectrum LLC	DE	Filed	DE 10 2011 012 152.8	24-Feb-2011		Verfahren und Vorrichtung zum Speisen einer Messelektronik
EP 1 382 172	M & FC HOLDING LLC	CH	Granted	EP 1 382 172	29-Mar-2002	15-Oct-2008	Enhanced wireless packet Data Communication System
EP 1 769 289	M & FC HOLDING LLC	EP(CH/LI)	Granted	EP 05 769 608	12-Jul-2005	10-Mar-2010	Verfahren und Vorrichtung zur hochgenauen digitalen Messung eines Analogsignals
EP 1 769 289	M & FC HOLDING LLC	EP(CZ)	Granted	EP 05 769 608	12-Jul-2005	10-Mar-2010	Verfahren und Vorrichtung zur hochgenauen digitalen Messung eines Analogsignals

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DE 501 14 763	M & FC HOLDING LLC	EP(DE)	Granted	DE 501 14 763	18-Oct-2001	11-Mar-2009	
EP 1 377 804	M & FC HOLDING LLC	EP(DE)	Granted	EP 02708344.3	6-Mar-2002	12-Oct-2005	Wärmemengenmessgerät
EP 1 769 289	M & FC HOLDING LLC	EP(DK)	Granted	EP 05 769 608	12-Jul-2005	10-Mar-2010	Verfahren und Vorrichtung zur hochgenauen digitalen Messung eines Analogsignals
EP 1 769 289	M & FC HOLDING LLC	EP(ES)	Granted	EP 05 769 608	12-Jul-2005	10-Mar-2010	Verfahren und Vorrichtung zur hochgenauen digitalen Messung eines Analogsignals
EP 1 769 289	M & FC HOLDING LLC	EP(FR)	Granted	EP 05 769 608	12-Jul-2005	10-Mar-2010	Verfahren und Vorrichtung zur hochgenauen digitalen Messung eines Analogsignals
EP 1 769 289	M & FC HOLDING LLC	EP(GB)	Granted	EP 05 769 608	12-Jul-2005	10-Mar-2010	Verfahren und Vorrichtung zur hochgenauen digitalen Messung eines Analogsignals
EP 1 769 289	M & FC HOLDING LLC	EP(PL)	Granted	EP 05 769 608	12-Jul-2005	10-Mar-2010	Verfahren und Vorrichtung zur hochgenauen digitalen Messung eines Analogsignals
EP 1 769 289	M & FC HOLDING LLC	EP(SE)	Granted	EP 05 769 608	12-Jul-2005	10-Mar-2010	Verfahren und Vorrichtung zur hochgenauen digitalen Messung eines Analogsignals
EP 1 769 289	M & FC HOLDING LLC	EP(SK)	Granted	EP 05 769 608	12-Jul-2005	10-Mar-2010	Verfahren und Vorrichtung zur hochgenauen digitalen Messung eines Analogsignals
EP 1 327 122	M & FC HOLDING LLC	PCT (EP)	Granted	01 987 871.9	18-Oct-2001	11-Mar-2009	Wasserzähler / water meter
EP 1 769 289	M & FC HOLDING LLC	EP	Granted +validated	EP 05 769 608	12-Jul-2005	10-Mar-2010	Verfahren und Vorrichtung zur hochgenauen digitalen Messung eines Analogsignals
EP 1 848 968	M & FC HOLDING LLC	EP (CZ,DE,ES,IT,PL,SK)	Granted +validated	EP 06 701 617	31-Jan-2006	19-Nov-2008	Rollenzählwerk für Verbrauchszähler
EP 1 922 526	M & FC HOLDING LLC	EP (DE,FR,GB,SK,IT,AT,PL,HU,RO)	Granted +validated	EP 06 791 827	5-Sep-2006	31-Dec-2008	Turbinenzähler/Turbine Flow Meter
EP 1 102 042	M & FC HOLDING LLC	EP(AT,BE,CH,LI,DE,DK,ES,FI,FR,CY,GB,GR,IE,IT,LU,MC,NL,PT,SE,TR,AL,LT,LV,MK,RO,SI)	Granted +validated	EP 00124865.7	15-Nov-2000	30-Jun-2010	Wasserzähler
1 230 666	M AND FC STOCK CO.,LTD.	PCT (CN)	Granted	01 803 236.2	18-Oct-2001	7-Dec-2005	Wasserzähler / water meter
EP1125098	SCIENT GENERICS LTD [GB] and SENSUS TECHNOLOGIES INC	EP	Granted	EP199909476 85	28-Sep-1999	22-Aug-2001	MAGNETIC FLOW METER
CA2164220 C	GASTOUNIOTIS, CONSTANTINE S., BANDEIRA, NUNO, GRAY, BRUCE E., SEEHOFFER, SCOTT H.,	CA	Granted	CA199400216 4220	3-Jun-1994	22-Dec-1994	DUPLEX BI-DIRECTIONAL MULTI-MODE REMOTE INSTRUMENT READING AND TELEMETRY SYSTEM
DE2990057 7U1	GATZ, KLAUS-WERNER	DE	Granted	DE199902990 0577	15-Jan-1999	27-Jul-2000	DURCHFLUSSMESSGERÄT, INSBESONDERE WASSERZÄHLER
CA2164218 C	GRAY, BRUCE E., FLETCHER,	CA	Granted	CA199400216 4218	3-Jun-1994	7-May-2002	DIAL IN-BOUND METER INTERFACE UNIT WHICH DERIVES ITS POWER

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	DONALD R.						FROM A TELEPHONE LINE
DE 10 2004 027 958	M & FC HOLDING LLC	DE	Granted	DE 10 2004 027 958	8-Jun-2004	12-Jul-2007	Verfahren und Vorrichtung zum Messen der Strömungsgeschwindigkeit von Fluiden
DE 10 2005 042 579	M & FC HOLDING LLC	DE	Granted	DE 10 2005 042 579	8-Sep-2005	12-Jul-2007	Turbinenzähler
DE 100 03 343	M & FC HOLDING LLC	DE	Granted	DE 100 03 343.1	27-Jan-2000	26-Oct-2006	Wasserzähler
DE 102 29 585	M & FC HOLDING LLC	DE	Granted	DE 102 29 585	2-Jul-2002	16-Mar-2006	Durchflussarmatur für Flüssigkeiten und Gase/ fitting for fluid and gas flow
DE 102 29 795	M & FC HOLDING LLC	DE	Granted	DE 102 29 795	3-Jul-2002	17-Aug-2006	Flüssigkeitszähler mit einem Gehäuse aus Kunststoff/ plastic meter body
EP 0 892 253	M & FC HOLDING LLC	EP (BE)	Granted		2-Jun-1998	27-Mar-2002	Ringkolbenzähler
EP 0 895 067	M & FC HOLDING LLC	EP (BE)	Granted	EP 97121069.5	1-Dec-1997	16-Aug-2001	Ringkolbenzähler
EP 0 892 253	M & FC HOLDING LLC	EP (BE,ES,FR,GB,IT)	Granted	EP 98109965.8	2-Jun-1998	27-Mar-2002	Ringkolbenzähler
DE 597 04 307	M & FC HOLDING LLC	EP (DE)	Granted	EP 97121069.5	1-Dec-1997	16-Aug-2001	Ringkolbenzähler
ES 2162181	M & FC HOLDING LLC	EP (ES)	Granted	EP 97121069.5	1-Dec-1997	16-Aug-2001	Ringkolbenzähler
EP 0 892 253	M & FC HOLDING LLC	EP (FR)	Granted	FR 98109965.8	2-Jun-1998	27-Mar-2002	Ringkolbenzähler
EP 0 895 067	M & FC HOLDING LLC	EP (FR)	Granted	FR 97121069.5	1-Dec-1997	16-Aug-2001	Ringkolbenzähler
EP 1 102 042	M & FC HOLDING LLC	EP (FR)	Granted	EP 00124865.7	15-Nov-2000	30-Jun-2010	
EP 0 895 067	M & FC HOLDING LLC	EP (GB)	Granted	EP 97121069.5	1-Dec-1997	16-Aug-2001	Ringkolbenzähler
EP 0 895 067	M & FC HOLDING LLC	EP (IT)	Granted	IT 69306 BE 2001	1-Dec-1997	16-Aug-2001	Ringkolbenzähler
EP 1 102 042	M & FC HOLDING LLC	EP (NL)	Granted	EP 00124865.7	15-Nov-2000	30-Jun-2010	
EP 0 573 803	M & FC HOLDING LLC	EP(AT)	Granted	EP 93107776.2	13-May-1993	14-Oct-1998	Flüssigkeitszähler
0 890 826	M & FC HOLDING LLC	EP(AT,C,H,DE,DK,FR,GB,IT,I,SE)	Granted	98 250 248.6	8-Jul-1998	25-Nov-2009	Ultraschall-Durchflußmesser / ultrasonic flow meter
EP 0 573 802	M & FC HOLDING LLC	EP(CH/LI)	Granted	EP 93 107 775	13-May-1993	10-Dec-2003	Flüssigkeitszähler
DE 50 2005 009 203	M & FC Holding LLC	EP(DE)	Granted	EP 05 769 608	12-Jul-2005	10-Mar-2010	Verfahren und Vorrichtung zur hochgenauen digitalen Messung eines Analogsignals
DE 593 10 356	M & FC HOLDING LLC	EP(DE)	Granted	DE 593 10 356.4-08	13-May-1993	10-Dec-2003	Flüssigkeitszähler
EP 0 573 802	M & FC HOLDING LLC	EP(ES)	Granted	EP 93 107 775	13-May-1993	10-Dec-2003	Flüssigkeitszähler
EP 1 102 042	M & FC HOLDING LLC	EP(ES)	Granted	EP 00124865.7	15-Nov-2000	30-Jun-2010	
ES 2 124 751	M & FC HOLDING LLC	EP(ES)	Granted	EP 93107776.2	13-May-1993	16-Feb-1999	Flüssigkeitszähler

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EP 0 573 803	M & FC HOLDING LLC	EP(FR)	Granted	FR 93 107 776	13-May-1993	14-Oct-1998	Flüssigkeitszähler
EP 0 892 253	M & FC HOLDING LLC	EP(GB)	Granted		2-Jun-1998	27-Mar-2002	Ringkolbenzähler
EP 0 573 803	M & FC HOLDING LLC	EP(IT)	Granted	71265Be98	13-May-1993	22-Dec-1998	Flüssigkeitszähler
2394210	M & FC HOLDING LLC	RU	Granted	2008 113382	5-Sep-2006	6-Jun-2607	Turbinenzähler
283 091 Stimmt die Nummer? oder SK 90595	M & FC Holding LLC	SK	Granted	PV 0905-95		20-Jan-2003	Woltmannzähler / woltmann meter
CA 2,228,319	M & FC HOLDING LLC	CA	Granted	CA 01540842	29-Jan-1998	11-Jun-2002	Ringkolbenzähler
CA 2,243,337	M & FC HOLDING LLC	CA	Granted	CA 2,243,337	16-Jul-1998	11-Sep-2001	Ringkolbenzähler
EP 0 573 803	M & FC HOLDING LLC	EP	Granted +validated	EP 93107776.2	13-May-1993	14-Oct-1998	Flüssigkeitszähler
EP 0 895 067	M & FC HOLDING LLC	EP (BE,DE,ES,FR,GB,IT)	Granted +validated	EP 97121069.5	1-Dec-1997	16-Aug-2001	Ringkolbenzähler
JP0299784 7B2	M & FC Holding, LLC	JP	Granted	JP199000013 0134	18-May-1990	11-Jan-2000	
JP0604063 1B4	M & FC Holding, LLC	JP	Granted	JP198400012 6313	19-Jun-1984	25-May-1994	BIDIRECTIONAL DATA TRANSMITTER
JP0851166 6T2	M & FC Holding, LLC	JP	Granted	JP199400050 1985	3-Jun-1994	3-Dec-1996	Meter Interface Unit for Telephone Line Allowing Remote Mete
JP0851166 7T2	M & FC Holding, LLC	JP	Granted	JP199400050 1986	3-Jun-1994	3-Dec-1996	DUPLEX BI-DIRECTIONAL MULTI-MODE REMOTE INSTRUMENT READING AND TELEMETRY SYSTEM
JP0851166 8T2	M & FC Holding, LLC	JP	Granted	JP199400050 1988	3-Jun-1994	3-Dec-1996	Call Inbound Remote Reading & Data Collection System for Uti
250254	M&FC Holding Co	Argentina	Not verified on public databases	328417	3-Jun-1994	11-Nov-1996	Meter Interface Unit for Telephone Line Allowing Remote Mete
251559	M&FC Holding Co	Argentina	Not verified on public databases	328416	3-Jun-1994	11-Feb-1996	DUPLEX BI-DIRECTIONAL MULTI-MODE REMOTE INSTRUMENT RDG
	M&FC Holding Co	Argentina	Not verified on public databases	328418	3-Jun-1994		Call Inbound Remote Reading & Data Collection System
40.935	M&FC Holding Co	Chile	Not verified on public databases	801-94	3-Jun-1994	12-Feb-2001	Call Inbound Remote Reading & Data Collection System
41.083	M&FC Holding Co	Chile	Not verified	804-94	4-Jun-1994	23-Jul-2001	Dial In-Bound Meter Interface Unit Which Derives Its Power F

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			on public databases				
41.107	M&FC Holding Co	Chile	Not verified on public databases	800.94	4-Jun-1994	8-Aug-2001	DUPLEX BI-DIRECTIONAL MULTI-MODE REMOTE INSTRUMENT RDG
DE6942181 0T2	M&FC HOLDING CO., INC.	DE	Granted	DE199406942 1810	3-Jun-1994	20-Apr- 2000	SYSTEM ZUR DUPLEX - BIDIREKTIONALEN UND - MULTIMODEN - FERNABLESUNG VON INSTRUMENTEN UND ZUR FERNMESSUNG
BR9903964 A	M&FC HOLDING COMPANY	BR	Granted	BR199900000 3964	30-Aug-1999	30-Oct- 2001	MONTAGEM DE SENSOR PARA UM MEDIDOR DE FLUXO DE FLUIDO, E, MEDIDOR DE FLUXO DE FLUIDO
KR0017637 A	M&FC HOLDING COMPANY	KR	Granted	KR199900003 6241	30-Aug-1999	25-Mar- 2000	SENSOR ASSEMBLY FOR FLOW METER
BR9406740 A	M&FC HOLDING COMPANY INC	BR	Granted	BR199400000 6740	3-Jun-1994	12-Mar- 1996	SISTEMA DE LEITURA REMOTA DE CHEGADA DA CAMADA E COLETA DE DADOS
AU0689113 B2	M&FC HOLDING COMPANY, INC.	AU	Granted	AU199400007 0530	3-Jun-1994	26-Mar- 1998	CALL IN-BOUND REMOTE READING AND DATA COLLECTION SYSTEM
CA2164218 AA	M&FC HOLDING COMPANY, INC.	CA	Granted	CA199400216 4218	3-Jun-1994	22-Dec- 1994	DIAL IN-BOUND METER INTERFACE UNIT WHICH DERIVES ITS POWER FROM A TELEPHONE LINE
CA2164219 C	M&FC HOLDING COMPANY, INC.	CA	Granted	CA199400216 4219	3-Jun-1994	30-Apr- 2002	CALL IN-BOUND REMOTE READING AND DATA COLLECTION SYSTEM
CA2164220 AA	M&FC HOLDING COMPANY, INC.	CA	Granted	CA199400216 4220	3-Jun-1994	22-Dec- 1994	DUPLEX BI-DIRECTIONAL MULTI-MODE REMOTE INSTRUMENT READING AND TELEMETRY SYSTEM
EP0398312 B1	M&FC HOLDING COMPANY, INC.	EP	Granted	EP199000010 9284	16-May-1990	11-Sep- 1996	Moisture resistant laminated cover, its production and its use in an electronic utility meter
EP0701727 B1	M&FC HOLDING COMPANY, INC.	EP	Granted	EP199400091 9356	3-Jun-1994	24-Nov- 1999	DUPLEX BI-DIRECTIONAL MULTI-MODE REMOTE INSTRUMENT READING AND TELEMETRY SYSTEM
EP0707770 A1	M&FC HOLDING COMPANY, INC.	EP	Granted	EP199400092 1237	3-Jun-1994	24-Apr- 1996	DIAL IN-BOUND METER INTERFACE UNIT WHICH DERIVES ITS POWER FROM A TELEPHONE LINE
199 849	M&FC Holding LLC	PL	Granted	P 364 228	6-Mar-2002	28-Nov- 2008	Wärmemengenmessgerät
PL 205048	M&FC Holding LLC	PL	Granted	P-361 043	2-Jul-2003	2-Jul-2003	Flüssigkeitszähler mit einem Gehäuse aus Kunststoff/ plastic meter body
PL 205049	M&FC Holding LLC	PL	Granted	P-361 044	2-Jul-2003	19-Sep- 2009	Einstrahlzähler für Flüssigkeiten/ single jet meter for fluids
AR033319	M&FC HOLDING, LLC	AR	Granted	P020101632	4-May-2001	31-May- 2007	System and Method For Communicating and Control of Automated Meter
AR034913B 1	M&FC HOLDING, LLC	AR	Granted	P020102836	27-Jul-2001	26-Apr- 2007	Icon Residential Electric Meter
AR33307	M&FC HOLDING, LLC	AR	Granted	P020101611	2-May-2001	21-Jun- 2007	Automatic Meter Reading Module
200230853 5	M&FC HOLDING, LLC	AUS	Granted	2002308535	2-May-2002	6-Mar-2008	Add-on Module for Utility Meters
200231606 1	M&FC HOLDING, LLC	AUS	Granted	2002316061	6-May-2002	8-Mar-2007	System and Method For Communicating and Control of Automated Meter
200232264 8	M&FC HOLDING, LLC	AUS	Granted	2002322648	27-Jul-2001	8-Mar-2007	Solid State Electricity Meter

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2200711	M&FC HOLDING, LLC	Canada	Granted	2200711	22-Sep-1995	17-Jul-2007	Enhanced Frequency Agile
2296590	M&FC HOLDING, LLC	Canada	Granted	2296590	6-May-1999	9-Nov-2004	Symmetrical ultrasound gas flow meter housing and related multi-configuration gas flow meter assembly
44.123	M&FC HOLDING, LLC	Chile	Granted	2002-1653	27-Jul-2001	20-Nov-2008	Icon Residential Electric Meter
46.255	M&FC HOLDING, LLC	Chile	Granted	912-2002	2-May-2001	12-Jan-2010	Automatic Meter Reading Module
ZL0281408 5.0	M&FC HOLDING, LLC	Chin	Granted	2814085	27-Jul-2001	19-Oct-2005	Solid State Electricity Meter
000106257-1/3	M&FC HOLDING, LLC	ECD	Granted	106257	19-Nov-2003	24-Feb-2004	Gas Meter Design
1382172	M&FC HOLDING, LLC	France	Granted	2736494.2	29-Mar-2002	15-Oct-2008	Enhanced Wireless Packet Data Communication System, Method and Apparatus Applicable to both wide area networks and local area networks
1382172	M&FC HOLDING, LLC	German y	Granted	2736494.2	29-Mar-2002	15-Oct-2008	Enhanced Wireless Packet Data Communication System, Method and Apparatus Applicable to both wide area networks and local area networks
1382172	M&FC HOLDING, LLC	Great Britain	Granted	2736494.2	29-Mar-2002	15-Oct-2008	Enhanced Wireless Packet Data Communication System, Method and Apparatus Applicable to both wide area networks and local area networks
4171415	M&FC HOLDING, LLC	JP	Granted	2003-517601		15-Aug-2008	Solid State Electricity Meter
262800	M&FC HOLDING, LLC	MX	Granted	PA/a/2006/00 9968	3-Feb-2004	4-Dec-2008	Power Supply for Use in Electronic Energy Meter
1382172	M&FC HOLDING, LLC	Netherl ands	Granted	2736494.2	29-Mar-2002	15-Oct-2008	Enhanced Wireless Packet Data Communication System, Method and Apparatus Applicable to both wide area networks and local area networks
1382172	M&FC HOLDING, LLC	Portuga l	Granted	2736494.2	29-Mar-2002	15-Oct-2008	Enhanced Wireless Packet Data Communication System, Method and Apparatus Applicable to both wide area networks and local area networks
1382172	M&FC HOLDING, LLC	Spain	Granted	2736494.2	29-Mar-2002	15-Oct-2008	Enhanced Wireless Packet Data Communication System, Method and Apparatus Applicable to both wide area networks and local area networks
FR2689629 B1	MEINECKE AG H	FR	Granted	FR199200921 4628	4-Dec-1992	30-Aug-1996	COMPTEUR A ROUE A AIETTES POUR FLUIDES.
DE 20 2010 004 839	Sensus Spectrum LLC	DE	Granted	DE 20 2010 004 839	10-Apr-2010	12-Aug-2010	Armatur für unter Druck stehende Fluide
DE 500 15 949	Sensus Spectrum LLC	EP (DE)	Granted	EP 00124865.7	15-Nov-2000	30-Jun-2010	
DE2020100 04839U1	SENSUS SPECTRUM LLC	DE				12-Aug-2010	Armatur für unter Druck stehende Fluide
DE5001594 9D1	SENSUS SPECTRUM LLC	DE					Wasserzaehler mit separatem Anschlussstutzen
GB2005072 71D0	SENSUS TECH LTD	GB					Authentication device
MX9404106 A1	SENSUS TECHNOLOGIES, INC.	MX	Granted	MX199400000 4106	1-Jun-1994	31-Jan-1995	SISTEMA PARA LECTURA DE LLAMADAS REMOTAS DE ENTRADA Y CAPTACION DEINFORMACION CODIFICADA EN IMPULSOS.

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DE 20 2009 008 315		DE	Granted	DE 20 2009 008 315	17-Jun-2009	24-Sep- 2009	Gehäuse für faserverstärkten Kunststoff
DE 20 2009 017 274		DE	Granted	DE/GM 20 2009 017 274	19-Dec-2009	2-Jun-2010	Magn.-induktiver Durchflussmesser/ magn.-ind. Flow-meter
DE 595 00 253		EP(DE)	Granted	EP 95103312.5	8-Mar-1995	21-May- 1997	Induktiver Sensor zum Messen der Drehzahl oder Drehrichtung einer Welle
EP 0 573 802		EP(FR)	Granted	EP 93 107 775	13-May-1993	10-Dec-2003	Flüssigkeitszähler
EP 0 573 802		EP(IT)	Granted	EP 93 107 775	13-May-1993	10-Dec-2003	Flüssigkeitszähler
RU 2082102		RU	Granted	RU 94037482/28	6-Oct-1994	20-Jun- 1997	Turbine flow rate converter
UA 19728		UA	Granted	UA 93005195	22-Oct-1993	25-Dec- 1997	Turbine flow rate converter
UA 88237		UA	Granted	2008/04414	5-Sep-2006	25-Sep- 2009	Turbinenzähler
EP 0 573 802		EP(FR,C H,NL,LI,E S,PT,AT,I T,DE,GR)	Granted +validat ed	EP 93 107 775	13-May-1993	10-Dec-2003	Flüssigkeitszähler

Non-U.S. Patent Registrations

None.

TRADEMARKS

TRADEMARK/TRADE NAMES OWNED BY SENSUS SPECTRUM LLC

U.S. Trademark Registrations and Applications

Owner	Status	Country Name	Trademark Name	Application Number	Application Date	Registration Number	Registration Date
M&FC Holding, LLC	filed	US	COMMANDLINK	77723593	28-Apr-2009	3829273	3-Aug-2010
M&FC Holding, LLC	filed	US	ACCUWAVE	77723594	28-Apr-2009		
Sensus Spectrum	filed	US	FLEXNET	77/806,479	17-Aug-2009		
Sensus Spectrum	Filed (ITU)	US	CUBIX	77939035	18-Feb-2010		
Sensus Spectrum	Filed (ITU)	US	CUBIX and Design	77939083	17-Feb-2010		
M&FC Holding, LLC	register ed	US	SR	72119424	04-MAY-1961	735984	14-AUG-1962
M&FC Holding, LLC	register ed	US	SMITH-BLAIR	72124683	25-JUL-1961	732941	19-JUN-1962
M&FC Holding, LLC	register ed	US	MAXI-GRIP Stylized Letters	73234823	11-OCT-1979	1160616	14-JUL-1981
M&FC Holding, LLC	register ed	US	REDI-CLAMP	73332660	15-OCT-1981	1234283	12-APR-1983
M&FC Holding, LLC	register ed	US	ACT-PAK	73530897	05-APR-1985	1361623	24-SEP-1985
M&FC Holding, LLC	register ed	US	TOUCHREAD	73618909	08-SEP-1986	1475682	09-FEB-1988
M&FC Holding, LLC	register ed	US	FIRELINE	73648697	09-MAR-1987	1459076	29-SEP-1987
M&FC Holding, LLC	register ed	US	SENSUS	74049353	13-APR-1990	1744309	05-JAN-1993
M&FC Holding, LLC	register ed	US	S Design	74049796	13-APR-1990	1655309	03-SEP-1991
M&FC Holding, LLC	register ed	US	S SENSUS and Design	74049811	13-APR-1990	1744310	05-JAN-1993
M&FC Holding, LLC	register ed	US	RV Stylized Letters	74090226	21-AUG-1990	1665646	26-NOV-1991
M&FC Holding, LLC	register ed	US	AUTOREAD	74411706	09-JUL-1993	1914127	22-AUG-1995
M&FC Holding, LLC	register ed	US	MULTIREAD	74656446	05-APR-1995	2082019	22-JUL-1997
M&FC Holding, LLC	register ed	US	RADIOREAD	74801608	27-FEB-1992	1833253	26-APR-1994

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M&FC Holding, LLC	registered	US	AUTOVU	75203040	22-NOV-1996	2192702	29-SEP-1998
M&FC Holding, LLC	registered	US	SB Stylized Letters	75413196	02-JAN-1998	2446694	24-APR-2001
M&FC Holding, LLC	registered	US	TOUCHREADER	75429616	05-FEB-1998	2260662	13-JUL-1999
M&FC Holding, LLC	registered	US	QUANTUM	75496896	05-JUN-1998	2369271	18-JUL-2000
M&FC Holding, LLC	registered	US	FLEXI-COAT	75599166	03-DEC-1998	2845095	25-MAY-2004
M&FC Holding, LLC	registered	US	SMARTPOINT	77066954	19-DEC-2006	3848126	4-Sep-2010
M&FC Holding, LLC	registered	US	UNIPRO	77468713	07-MAY-2008	3787932	
M&FC Holding, LLC	registered	US	IPERL	77655978	24-JAN-2009	3845969	7-Sep-2010
M&FC Holding, LLC	registered	US	ICON	78115490	18-MAR-2002	2827635	30-MAR-2004
M&FC Holding, LLC	registered	US	QUADRICORR	78129519	17-MAY-2002	2686806	11-FEB-2003
M&FC Holding, LLC	registered	US	ICON	78149779	01-AUG-2002	2819604	02-MAR-2004
M&FC Holding, LLC	registered	US	ICON and Design	78149811	01-AUG-2002	2895107	19-OCT-2004
M&FC Holding, LLC	registered	US	ADVANCED METERING DATA SYSTEMS	78275099	16-JUL-2003	3086122	25-APR-2006
M&FC Holding, LLC	registered	US	AMDS	78275370	17-JUL-2003	2958250	31-MAY-2005
M&FC Holding, LLC	registered	US	ICONFIG	78275493	17-JUL-2003	3261807	10-JUL-2007
M&FC Holding, LLC	registered	US	AMDS and Design	78559023	02-FEB-2005	3250444	12-JUN-2007
M&FC Holding, LLC	REGISTERED Supplemental Register	US	AUTO-ADJUST	73322532	06-AUG-1981	1216230	09-NOV-1982
M&FC Holding, LLC	REGISTERED Section 2(F)	US	FULL CIRCLE	71684249	25-MAR-1955	618510	03-JAN-1956
M&FC Holding, LLC	REGISTERED Section 2(F)	US	WATER JOURNAL	78951961	15-AUG-2006	3453855	24-JUN-2008
M&FC Holding, LLC	REGISTERED Supplemental Register	US	SONIX	75700854	07-MAY-1999	2548546	12-MAR-2002
Sensus Spectrum LLC	registered	US	Sensus Logo	77857309	21-Dec-2010	3892000	21-Dec-2010

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Sensus Spectrum LLC	registered	US	EQUIMETER	74081374	23-JUL-1990	1648038	18-JUN-1991
Sensus Spectrum LLC	registered	US	EQUIMETER and Design	74081375	23-JUL-1990	1650036	09-JUL-1991

State Trademark Registrations

None.

Non-U.S. Trademark Registrations

Owner	Status	Country Name	Trademark Name	Application Number	Application Date	Registration Number	Registration Date
M&FC Holding, LLC	filed	Canada	ICONFIG	1184939	18-Jul-2003		
M&FC Holding LLC	filed	Columbien	SENSUSscout	07-019 670	27-Feb-2007	07-019 670	29-Oct-2008
M&FC Holding LLC	filed	Columbien	Meistream	07-035 826	11-Apr-2007		
M&FC Holding LLC	filed	Mexico	Meistream	1 033 535	14-Sep-2009		
M&FC Holding LLC	filed	Saudi Arabien	SENSUSscout	113 889	25-Feb-2007	989/52	11-May-2008
M&FC Holding LLC	filed	DE	SymbioService	30 2009 039 424.5/36	8-Jul-2009	30 2009 039 424	3-Aug-2009
M&FC Holding LLC	filed	Peru	SENSUSscout	306 963	27-Feb-2007	127 877	1-Jul-2007
M&FC Holding LLC	filed	Germany(DE)	SENSUSscout	30616005.6/09	10-Mar-2006	306 16 005	10-Mar-2006
M&FC Holding LLC	filed	Chile	SENSUSscout	764 230	28-Feb-2007		
M&FC Holding LLC	filed	Chile	Meistream	731 807	2-Jun-2006	767 123	12-Sep-2006
M&FC Holding LLC	filed	Brasilien	SENSUSscout	829 032 720	28-Feb-2007		
M&FC Holding LLC	filed	Mexico	SENSUSscout	838 995	27-Feb-2007	982 625	26-Apr-2007
M&FC Holding LLC	filed	IR(BY,RU,UA)	Sensusbase and design	864 225	16-Sep-2005	864 225	16-Sep-2005
M&FC Holding LLC	filed	Russ.Föderation	Sensusbase and design	864 225	16-Sep-2005		
M&FC Holding LLC	filed	Ukraine	Sensusbase and design	864 225	16-Sep-2005		
M&FC Holding LLC	filed	Weißrussland	Sensusbase and design	864 225	16-Sep-2005		

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M&FC Holding LLC	filed	Arabische Emirate	SENSUSscout	90 989	26-Feb-2007		
M&FC Holding LLC	filed	IR	SENSUSscout		10-Mar-2006		
M&FC Holding LLC	filed	IR	SENSUSscout	917608	7-Feb-2007	917608	7-Feb-2007
M&FC Holding, LLC	filed	Brazil	SENSUS((S))COUT	829032720	28-Feb-2007		
M&FC Holding, LLC	filed	Colombia	SENSUS	06 103657	13-Oct-2006		
Sensus Spectrum LLC	filed	IR	Sensus(Bild folgt)				
M & FC Holding LLC	register ed	Mexico	SENSUS	112268	6-May-1991	427790	
M & FC Holding LLC	register ed	Mexico	ICON	534437	26-Feb-2002	886646	20-Jun-2005
M & FC Holding LLC	register ed	CTM	SENSUSbase (Design)	4581691	8-Aug-2005	4581691	29-Aug-2006
M & FC Holding LLC	register ed	CTM	SENSUS((S))cout (Stylized / Color)	5707708	9-Feb-2007	5707708	5-Jun-2008
M & FC Holding LLC	register ed	Germany	SeNSUS	30459583.7	18-OCT-2004	30459583	03-JAN-2005
M & FC Holding LLC	register ed	Germany	SENTINEL	30468859.2	03-DEC-2004	30468859	07-MAR-2005
M & FC Holding LLC	register ed	Germany	SeNSUSbase	30511761	01-MAR-2005	30511761	18-APR-2005
M & FC Holding LLC	register ed	Germany	SENSUS((S))cout	30653152.6	30-AUG-2006	30653152	16-OCT-2006
M & FC Holding LLC	register ed	Mexico	EQUIMETER	103157	17-Dec-1990	401954	9-Jul-1992
M & FC Holding LLC	register ed	Mexico	EQUIMETER (AND DESIGN)	103159	17-Dec-1990	411472	24-Apr-1997
M & FC Holding LLC	register ed	Mexico	TELUS	313500	7-Nov-1997	607322	28-Apr-1999
M & FC Holding LLC	register ed	Mexico	TOUCHREADER	358162	15-DEC-1998	614480	21-Jun-1999
M & FC Holding LLC	register ed	Mexico	INFOMAN	410576	11-Feb-2000	647151	27-MAR-2000
M & FC Holding LLC	register ed	Mexico	PROFESSOR DESIGN	410577	11-Feb-2000	650071	10-Apr-2000
M & FC Holding LLC	register ed	Mexico	PROFESSOR DESIGN	410579	11-Feb-2000	695531	25-Apr-2001
M & FC Holding LLC	register ed	Mexico	ICONFIG	610964	21-Jul-2003	803735	12-Aug-2003
M & FC Holding LLC	register ed	Mexico	E (AND DESIGN)	103158	17-Dec-1990	415126	1-Jun-1992
M & FC Holding LLC	REGIST ERED/A bandon ed	Mexico	INFOMAN	410578	11-Feb-2000	649598	31-MAR-2000

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M & FC Holding, LLC	registered	Algeria	SENSUS	40181	9-Feb-2004		
M & FC Holding, LLC	registered	Algeria	SENSUS METERING SYSTEMS	40182	9-Feb-2004		
M & FC Holding, LLC	registered	Mexico	SENSUS((S))COUT	838995	27-FEB-2007	982625	26-APR-2007
M&FC Holding Company, LLC	registered	Australia	EQUIMETER (AND DESIGN)	546546	28-Nov-1990	546546	28-Nov-1990
M&FC Holding Company, LLC	registered	Australia	E (DESIGN)	546545	28-Nov-1990	546545	28-Nov-1990
M&FC Holding Company, LLC	registered	Australia	EQUIMETER	546558	28-Nov-1990	546558	28-Nov-1990
M&FC Holding Company, LLC	registered	Australia	SENSUS	555368	6-May-1991	555368	6-May-1991
M&FC Holding LLC	registered	CTM	MEISTREAM	4967394	20-Mar-2006	4967394	28-Mar-2007
M&FC Holding LLC	registered	Germany(DE)	Sentinel	304 68 859.2/09	3-Dec-2004	304 68 859	7-Mar-2005
M&FC Holding LLC	registered	Germany(DE)	Sensusbase and design	305 11 761.0	1-Mar-2005	305 11 761	18-Apr-2005
M&FC Holding LLC	registered	EU	Sensusbase and design	4 581 691	8-Aug-2005	4 581 691	8-Aug-2005
M&FC Holding LLC	registered	IR(ES,FR,DK,S W,FI,NO,CZ,SK, GB,IE)	Sentinel	917 121	7-Mar-2005	917 121	26-Feb-2007
M&FC Holding LLC	registered	EU	SENSUSscout	05 707 708	9-Feb-2007	5 707 708	6-May-2008
M&FC Holding LLC	registered	South Africa	SENSUSscout	2007/03636	22-Feb-2007	2007/03636	25-Feb-2009
M&FC Holding LLC	registered	Germany(DE)	SENSUSscout	306 531 52.6/09	30-Aug-2006	306 53 152	17-Nov-2006
M&FC Holding LLC	registered	Peru	Meistream	310 704	3-Apr-2007	310 704	
M&FC Holding LLC	registered	IR(AU,CN,JP,KR ,NO,RU,CH,HR, RS,ME,UA)	Meistream	919 783	13.02.007	919 783	13-Feb-2007
M&FC Holding LLC Holding LLC	registered	EU	Meistream	4967394	20-Mar-2006	496 7 394	4-Sep-2006
M&FC Holding, LLC	registered	Chile	SENSUS	631.453	16-Dec-2003	693.464	19-May-2004
M&FC Holding, LLC	registered	Pakistan	E (DESIGN)	109283		109283	13-Jan-1991
M&FC Holding, LLC	registered	Pakistan	EQUIMETER (AND DESIGN)	109284		109284	13-Jan-1991
M&FC Holding, LLC	registered	Pakistan	EQUIMETER	109285		109285	13-Jan-1991
M&FC Holding, LLC	registered	Canada	SENSUS	684530	20-Jun-1991	TMA423228	18-Feb-1994
M&FC Holding, LLC	registered	Benelux	SENSUS	763094	26-Apr-1991	495812	12-Jan-1991
M&FC Holding, LLC	registered	CTM	TOUCHREADER	896761	5-Aug-1998	896761	23-Feb-2000

Schedule II

M&FC Holding, LLC	registered	Canada	SONIX	1026290	19-Aug-1999	TMA549462	7-Aug-2001
M&FC Holding, LLC	registered	Canada	ICON	1100654	24-Apr-2001	TMA666003	14-Jun-2006
M&FC Holding, LLC	registered	UK	EQUIMETER	1448192	24-Nov-1990	1448192	10-Jan-1992
M&FC Holding, LLC	registered	UK	EQUIMETER (Design)	1448197	24-Nov-1990	1448197	21-Feb-1992
M&FC Holding, LLC	registered	UK	E (Stylized)	1448199	24-Nov-1990	1448199	21-Feb-1992
M&FC Holding, LLC	registered	CTM	IGS	2190361	24-Apr-2001	2190361	5/16/2003
M&FC Holding, LLC	registered	CTM	ICON	2190411	27-Apr-2001	2190411	10-Sep-2002
M&FC Holding, LLC	registered	CTM	ICONFIG	3273604	18-Jul-2003	3273604	15-Apr-2005
M&FC Holding, LLC	registered	Brazil	EQUIMETER	816023476	18-Jan-2001	816023476	22-Sep-1992
M&FC Holding, LLC	registered	Brazil	E (DESIGN)	816023484	18-Jan-2001	816023484	22-Sep-1992
M&FC Holding, LLC	registered	Brazil	EQUIMETER (AND DESIGN)	816023492	18-Jan-2001	816023492	25-Aug-1992
M&FC Holding, LLC	REGISTERED/Abandoned	CTM	GQS	2408474	12-Oct-2001	2408474	20-Nov-2002
Sensus Spectrum LLC	registered	DE	Sensus(Bild folgt)	30 2010 003 057.7/09	19-Jan-2010	30 2010 003 057	25-Jun-2010
Sensus Spectrum LLC	registered	Mexico	IGS	490531	14-Jun-2001	736165	28-Feb-2002
Sensus Spectrum LLC	registered	Taiwan	EQUIMETER	79053179	6-Dec-1990	526358	16-Jun-1991
Sensus Spectrum LLC	registered	Canada	EQUIMETER AND DESIGN	673009	24-Dec-1990	TMA405810	4-Dec-1992
Sensus Spectrum LLC	registered	Canada	EQUIMETER	673097	24-Dec-1990	TMA404849	13-Nov-1992
Sensus Spectrum LLC	registered	UK	SMITH-BLAIR INC (Design)	924305	29-Apr-1968	924305	
Sensus Spectrum LLC	registered	Canada	PROFESSOR DESIGN	1038496	6-Dec-1999	TMA556251	11-Jan-2002
Sensus Spectrum LLC	registered	Canada	IGS	1100656	24-Apr-2001	TMA583219	6-Jun-2003
Sensus Spectrum LLC	registered	Germany(DE)	Sensus	304 59 583.7	18-Oct-2004	304 59 583.7	3-Jan-2005
Sensus Spectrum LLC	REGISTERED/Abandoned	CTM	QUADRICORR	2024602	3-Jan-2001	2024602	12-Feb-2002

Schedule II

Sensus Spetrum LLC	register ed	IR(AL, AM, AT, AZ, BA, BX, BY, CN, CY, CZ, DZ, EG, ES, FR, HU, IR, IT, KE, KG, KZ, LV, MA, MD, MK, PL, PT, RO, RU, SI, SK, SY, TJ, UA, UZ, YU,AU, DK, EE, FI, GB, GE, GR, IE, JP, KR, LT, SE, TM, TR)	Sensus	863 450.7/09	14-Apr-2005	863 450	14-Apr-2005
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Non-U.S. Trademark Applications

None.

Trade Names

None.

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C. Trademarks

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U.S. Patents

1. Royalty-bearing Patent License from Harold Kennedy & Associates, Inc. dated April 1, 2005 amended by Addendum No. 1 dated May 11, 2005 and Addendum No. 2 dated November 6, 2007.

U.S. Patent Applications

NONE.

Non-U.S. Patents

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Non-U.S. Patent Applications

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C. Trademarks

U.S. Trademarks

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U.S. Trademark Applications

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D. Others

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C. Trademarks

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C. Trademarks

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Non-U.S. Trademark Applications

NONE.

Trade Names

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