

PATENT ASSIGNMENT

Electronic Version v07
 Stylesheet Version v02

SUBMISSION TYPE:	NEW ASSIGNMENT
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NATURE OF CONVEYANCE:	ASSIGNMENT OF ASSIGNOR'S INTEREST
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CONVEYING PARTY DATA	
Name	Execution Date
Outboard Marine Corporatrn	2003-12-11

RECEIVING PARTY DATA					
Name	Street Address	Internal Address	City	State/Country	Postal Code
Bombardier Motor Corporation of America	6545 U.S.1		Grant	FLORIDA	32949

PROPERTY NUMBERS Total: 70	
Property Type	Number
Patent Number	4378762
Patent Number	4565534
Patent Number	4568292
Patent Number	4660514
Patent Number	4718872
Patent Number	4831979
Patent Number	4870929
Patent Number	5048751
Patent Number	5101626
Patent Number	5137480
Patent Number	5349919
Patent Number	5409409
Patent Number	5410999
Patent Number	5469828
Patent Number	5624693
Patent Number	5714104
Patent Number	5718864

Patent Number	5781443
Patent Number	6166973
Patent Number	6167875
Patent Number	6193572
Patent Number	6196524
Patent Number	6210110
Patent Number	6220905
Patent Number	6224434
Patent Number	6224435
Patent Number	6224436
Patent Number	6224437
Patent Number	6227919
Patent Number	6233943
Patent Number	6238256
Patent Number	6244914
Patent Number	6244917
Patent Number	6249069
Patent Number	6253737
Patent Number	6257940
Patent Number	6267632
Patent Number	6267634
Patent Number	6270385
Patent Number	6273768
Patent Number	6279499
Patent Number	6280267
Patent Number	6280270
Patent Number	6283095
Patent Number	6283107
Patent Number	6287162
Patent Number	6293836
Patent Number	6293838
Patent Number	6293842
Patent Number	6295972
Patent Number	6296535
Patent Number	6298822

Patent Number	6299493
Patent Number	6299494
Patent Number	6302755
Patent Number	6303860
Patent Number	6305994
Patent Number	6305997
Patent Number	6308688
Patent Number	6314939
Patent Number	6315624
Patent Number	6318344
Patent Number	6321592
Patent Number	6322405
Patent Number	6322406
Patent Number	6326895
Patent Number	6322422
Patent Number	6339271
Patent Number	6345581
Patent Number	6346017

CORRESPONDENCE DATA

FAX NUMBER: 450-461-7743

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

When the customer number has been provided, the Office of Public Records will obtain the correspondence data from the official record on file at the USPTO.

CUSTOMER NUMBER: 028735

NAME OF PERSON SIGNING:	Jonathan D. CUTLER
DATE SIGNED:	2003-12-16

Total Attachments: 42

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ASSIGNMENT

The undersigned parties hereby agree, acknowledge and confirm:

WHEREAS Outboard Marine Corporation filed a voluntary petition for relief under Chapter 11 of Title 11 of the United States Bankruptcy Code on December 22, 2000.

WHEREAS Outboard Marine Corporation agreed to assign all of its assets used or held for use in connection with the design, development, manufacture or distribution of engines or related parts and accessories, including but not limited to the patents and patent applications listed on Schedule A hereto, (the "Acquired Assets") to Bombardier Motor Corporation of America, a Delaware corporation ("BMCA"), by an agreement entitled "Asset Purchase Agreement" dated February 5, 2001 (the "February 2001 Purchase Agreement").

WHEREAS the United States Bankruptcy Court for the Northern District of Illinois issued an order entitled "Order (I) Approving Asset Purchase Agreements and Option Agreements; (II) Authorizing Sale of Certain Patents of the Debtors Free and clear of Liens, Claims, Encumbrances, and Interests; and (III) Authorizing Assumption and Assignment of Certain Executory Contracts and Unexpired Leases" on February 9, 2001.

WHEREAS Outboard Marine Corporation assigned patents and patent applications included in the Acquired Assets to BMCA in an agreement entitled "Bill of Sale and Assignment" dated March 9, 2001 (the "March 2001 Bill of Sale").

WHEREAS the parties now desire to properly effect the terms of all of the aforementioned agreements and ensure that the ownership of all of the patents and patent applications listed on Schedule A hereto (the "OMC Patents") is properly vested in BMCA, and to record this Assignment and any other appropriate assignment documents in the appropriate patent and/or filing offices worldwide.

NOW THEREFORE, be it known that, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Outboard Marine Corporation and BMCA, hereinafter collectively referred to as the "Parties", hereby acknowledge and confirm, by these presents, that all right, title, and interest (including but not limited to all rights to sue for past infringement) in and to all of the OMC Patents and all divisions, continuations, continuations-in-part, extensions, and reissues thereof throughout the world however designated, has been sold, assigned, transferred, and set over in their entirety to BMCA, which has accepted such assignment, transfer and set over, in each case effective as of March 9, 2001.

To the extent that any right, title or interest in and to the OMC Patents (including but not limited to any divisions, continuations, continuations-in-part, extensions, and reissues thereof throughout the world however designated) has not heretofore been assigned, transferred and set over to BMCA, the Parties do hereby sell, assign, transfer and set over, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, any such right, title or interest (including but not limited to all rights to sue for past infringement) unto BMCA, which accepts such assignment, transfer and set over, in each case effective as of March 9, 2001; and each of the Parties (other than BMCA) hereby represents and warrants to BMCA as of the date of this Assignment that it has not assigned, transferred and set over any right, title or interest in and to the OMC Patents to any person or entity other than BMCA.

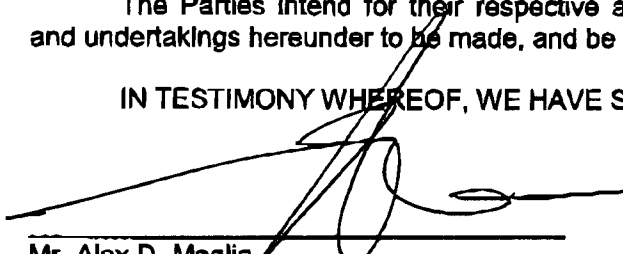
The Parties further covenant and agree that they will, without further consideration, communicate with BMCA, and its successors and assigns, any facts known to them respecting

each of the OMC Patents and the matters referred to in this Assignment and testify in any legal proceedings, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to each of the OMC Patents in BMCA, its successors or assigns, execute all divisional, continuation, reissue, and re-examination applications, make all rightful oaths and generally do everything possible to aid BMCA, its successors and assigns, to obtain and enforce proper patent protection for each of the OMC Patents in any country in the world, it being understood that any expense incident to the execution of such papers shall be borne by BMCA, its successors, and assigns.

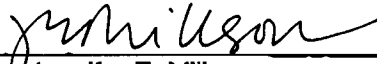
The Parties request that the United States Patent and Trademark Office, record this document, and the change of ownership of the OMC Patents, to BMCA.

The Parties intend for their respective agreements, acknowledgements, confirmations and undertakings hereunder to be made, and be binding, effective as of March 9, 2001.

IN TESTIMONY WHEREOF, WE HAVE SIGNED:



Mr. Alex D. Moglia
Not Individually but as Chapter 7 Bankruptcy
Trustee for Outboard Marine Corporation
Chicago, Illinois, USA
December 10, 2003



Ms. Jennifer E. Millson
Secretary
Bombardier Motor Corporation of America
Saint Bruno, Quebec, Canada
December 11, 2003

Patent Number	Grant Date	Application Number	Application Date	Title
4,378,762	04/05/1983	376,738	05/10/1982	Two-stroke internal combustion engine and method of operation thereof
4,565,534	01/21/1986	1983000560904	12/14/1983	Water pump location for marine propulsion device
4,568,292	02/04/1986	1983000558041	12/05/1983	Hydraulic assistance device for use in steering system
4,579,535	04/01/1986	1985000750056	06/27/1985	Steering mechanism
4,594,970	06/17/1986	1985000700550	02/11/1985	Marine installation including fuel/oil mixing device
4,599,979	07/15/1986	1984000639949	08/09/1984	Upper crankshaft bearing lubrication system for two cycle engine
4,602,602	07/29/1986	1984000635172	07/27/1984	Control device interconnecting throttle valve, exhaust valve and spark timing linkages
4,605,375	08/12/1986	1984000574582	01/27/1984	Trim and tilt control for marine propulsion devices
4,609,028	09/02/1986	1984000622718	06/20/1984	Evaporative pattern assembly for use in sand casting
4,620,607	11/04/1986	1984000640025	08/09/1984	Air silencer for an internal combustion engine
4,632,144	12/30/1986	1985000749474	06/27/1985	Combined fluid pressure actuated fuel and oil pump
4,642,058	02/10/1987	1985000731159	05/06/1985	Hydraulic system for marine propulsion devices

Patent Number	Grant Date	Application Number	Application Date	Title
4,645,464	02/24/1987	1985000698873	02/06/1985	Steering and tilting means for marine propulsion device
4,650,428	03/17/1987	1985000723310	04/15/1985	Marine propulsion device with floating drive shaft
4,654,013	03/31/1987	1985000698874	02/06/1985	Steering means for marine propulsion device
4,659,315	04/21/1987	1985000731160	05/06/1985	Hydraulic system for marine propulsion devices
4,660,378	04/28/1987	1984000685238	12/21/1984	Exhaust system with side branch
4,660,514	04/28/1987	1985000715479	03/25/1985	Two-stroke internal combustion engine including means for varying cylinder port timing
4,666,410	05/19/1987	1984000671902	11/16/1984	Mounting arrangement for marine propulsion device
4,666,412	05/19/1987	1985000739108	05/30/1985	Marine engine mounting apparatus
4,687,450	08/18/1987	910325	09/22/1986	Marine propulsion device exhaust system
4,695,261	09/22/1987	1985000752258	07/03/1985	Marine propulsion engine voltage generator arrangement
4,699,598	10/13/1987	1986000802132	09/02/1986	Marine propulsion device water supply system
4,706,414	11/17/1987	1985000837172	05/28/1985	Apparatus for rotatably supporting a marine propeller in a vibrating media
4,708,673	11/24/1987	1987000004756	01/08/1987	Outboard motor cowl assembly
4,718,872	01/12/1988	1985000773591	09/09/1985	Automatic trim system

PATENT

REEL: 014196 FRAME: 0619

Patent Number	Grant Date	Application Number	Application Date	Title
4,722,705	02/02/1988	1985000744482	06/13/1985	Marine propulsion device with swing angle indication mechanism
4,722,708	02/02/1988	1985000727814	04/26/1985	Marine propulsion device fuel distribution system
4,744,153	05/17/1988	1986000910445	09/22/1986	Method and apparatus for determining the thickness of shim required for properly loading and positioning the bearing assembly of a marine propulsion drive shaft
4,744,777	05/17/1988	1987000028958	03/23/1987	Power steering system for marine propulsion device
4,749,374	06/07/1988	1986000001825	12/15/1986	Marine propulsion device power steering system
4,753,619	06/28/1988	901967	08/29/1986	Marine propulsion device
4,757,792	07/19/1988	1985000742583	06/07/1985	Internal combustion engine
4,765,304	08/23/1988	1987000112931	10/26/1987	Internal combustion engine with compressed air collection system
4,778,419	10/18/1988	1987000063208	06/16/1987	Reverse thrust propelle
4,779,581	10/25/1988	1987000112472	10/26/1987	Dual fuel injection system for two stroke internal combustion engine
4,781,166	11/01/1988	1987000067702	06/29/1987	Voltage regulated magneto powered capacitive discharge ignition system
4,786,263	11/22/1988	1987000103507	10/01/1987	Marine propulsion device power tilt and trim mechanism

PATENT

REEL: 014196 FRAME: 0620

Patent Number	Grant Date	Application Number	Application Date	Title
4,789,366	12/06/1988	1987000065941	06/24/1987	Marine propulsion device ball clutch transmission
4,792,315	12/20/1988	947106	12/29/1986	Drive shaft assembly for outboard motor
4,795,383	01/03/1989	1987000058365	06/04/1986	Marine propulsion device low-speed exhaust system
4,799,905	01/24/1989	07/062,435	06/12/1987	Water Jacketed Exhaust Relief System for Marine Propulsion D
4,800,856	01/31/1989	1985000710057	03/11/1985	Abrasion resistant roller apparatus for internal combustion engines
4,820,210	04/11/1989	122.221	11/18/1987	Lower gearcase shift mechanism for marine propulsion device
4,820,212	04/11/1989	07/108,924	10/15/1987	Marine propulsion device bearing lubrication system
4,821,197	04/11/1989	1987000041302	04/22/1987	Apparatus and method for parts assembly
4,829,961	05/16/1989	136.737	12/21/1987	Linkage for activating throttle and spark advance
4,831,820	05/23/1989	1987000131449	12/11/1987	Engine with exhaust gas sensing
4,831,979	05/23/1989	1987000043108	04/27/1987	Wrist pin lubrication system for two cycle engines
4,838,822	06/13/1989	1987000129457	12/07/1987	Shift linkage for marine propulsion device
4,850,910	07/25/1989	07/055,733	05/29/1987	Counter-Rotation Transmission
4,858,585	08/22/1989	07/131,457	12/11/1987	Fuel supply system component assembly
4,861,296	08/29/1989	07/137509	12/23/1987	Marine propulsion device exhaust system
4,862,861	09/05/1989	07/311,090	02/15/1989	Under flywheel ignition system

Patent Number	Grant Date	Application Number	Application Date	Title
4,863,406	09/05/1989	07/182,477	04/15/1988	Marine propulsion device with two piece propeller shaft asse
4,870,929	10/03/1989	215.575	07/06/1988	Multi-Cylinder Engine with Uniform Cylinder Sensitivity to K
4,892,066	01/09/1990	123.357	11/19/1987	Multi-Cylinder Two-Stroke Engine with Reduced Cost and Compl
4,898,134	02/06/1990	316.154	02/27/1989	Crankcase Seal Arrangement for Two Cycle Engine
4,903,648	02/27/1990	338.743	04/14/1989	Engine with Improved Exhaust Gas Sensing
4,906,214	03/06/1990	07/106,118	10/07/1987	Marine propulsion device low-speed exhaust system
4,925,411	05/15/1990	403,985	09/06/1989	Marine propulsion device tilt and trim mechanism
4,932,795	06/12/1990	270,767	11/10/1988	Electrically conductive plastic bushings for marine propulsion devices
4,938,726	07/03/1990	722,04	04/11/1985	Marine propulsion device bellows assembly
4,947,807	08/14/1990	188,952	05/02/1988	Internal combustion engine
4,948,384	08/14/1990	350,936	05/12/1989	Marine propulsion device anode arrangement
4,950,188	08/21/1990	351,446	05/12/1989	Stern drive unit
4,951,520	08/28/1990	272,544	11/17/1988	Single lever control
4,957,091	09/18/1990	07/315,147	02/24/1989	Dual schedule ignition system

Patent Number	Grant Date	Application Number	Application Date	Title
4,959,033	09/25/1990	07/351,865	05/12/1989	Marine propulsion device cover arrangement
4,966,567	10/30/1990	316,417	02/27/1989	Marine propulsion device
4,971,585	11/20/1990	351,857	05/12/1989	Marine propulsion device seal arrangement
4,978,321	12/18/1990	797,745	11/12/1985	Baffled air intake system for outboard motors
4,979,918	12/25/1990	316,285	02/27/1989	Outboard motor vibration isolation system including improved rubber mount
4,993,165	02/19/1991	387,196	07/31/1989	Method and apparatus for determining necessary shim thickness for a marine propulsion device pinion and bearing carrier
4,993,369	02/19/1991	526,065	05/18/1990	Internal combustion engine
4,993,979	02/19/1991	351,441	05/12/1989	Marine propulsion device
4,998,969	03/12/1991	523,328	05/14/1990	Engine maintenance fluid introduction system
5,005,535	04/09/1991	482,932	02/20/1990	Internal combustion engine with recessed intake manifold
5,006,085	04/09/1991	351,830	05/12/1989	Marine propulsion device with removable clutch assembly
5,007,393	04/16/1991	525,251	05/17/1990	Integral lifting hook for an outboard engine
5,011,398	04/30/1991	561,290	07/26/1990	Apparatus for lost foam molding and method of assembling same
5,018,568	05/28/1991	306,245	02/02/1989	Lost foam engine block pattern
5,022,355	06/11/1991	512,951	04/23/1990	Internal combustion engine

PATENT

REEL: 014196 FRAME: 0623

Patent Number	Grant Date	Application Number	Application Date	Title
5,024,188	06/18/1991	487,669	03/02/1990	Fuel supply system component assembly
5,029,095	07/02/1991	334,912	04/06/1989	Apparatus and method for parts assembly
5,030,147	09/09/1991	1990000475982	02/06/1990	In-trimming hydraulic circuit
5,031,685	07/16/1991	315,900	02/27/1989	Internal combustion engine and method for making the same
5,035,211	07/30/1991	512,797	04/23/1990	Internal combustion engine
5,035,664	07/30/1991	351,172	05/12/1989	Marine propulsion device gear arrangement
5,037,338	08/06/1991	07/525,914	05/18/1990	Tilt Limit Switch
5,038,724	08/13/1991	509,978	04/16/1990	Debris resistant valve assembly
5,040,519	08/20/1991	527,556	05/23/1990	System to prevent reverse engine operation
5,044,599	09/03/1991	515,824	04/27/1990	Cover for transom bracket mounting screws
5,048,468	09/17/1991	583,008	09/14/1990	Marine propulsion device with closed deck Cylinder Block Con
5,048,751	09/17/1991	509,877	04/16/1990	Pressure and Temperature Relief Valve and Diaphragm Valve
5,049,101	09/17/1991	479,936	02/14/1990	Marine propulsion device with arrangement for flushing engine cooling jacket
5,052,353	10/01/1991	526,499	05/18/1990	Marine propulsion device cowl assembly
5,052,956	10/01/1991	523,029	05/14/1990	Marine propulsion device with dual position tilt lock
5,052,959	10/01/1991	512,994	04/23/1990	Marine propulsion device bearing arrangement

PATENT

REEL: 014196 FRAME: 0624

Patent Number	Grant Date	Application Number	Application Date	Title
5,054,537	10/08/1991	636.561	01/07/1991	Lost Foam Pattern Assembly For V-Block Engine
5,062,403	11/05/1991	525,746	05/18/1990	Internal combustion engine
5,069,643	12/03/1991	1990000525595	05/18/1990	Molded lower motor cover
5,078,101	01/07/1992	1990000479945	02/14/1990	Marine propulsion device internal combustion engine
5,078,627	01/07/1992	1989000451885	12/18/1989	Voltage regulator and rectifier having over-temperature protection
5,080,617	01/14/1992	1990000525862	05/18/1990	Marine propulsion device with directable telltale discharge
5,080,955	01/14/1992	1990000512826	04/23/1990	Foam pattern assembly and method for making the same
5,083,952	01/28/1992	1989000351170	05/12/1989	Marine propulsion device 4 exhaust system
5,086,825	02/11/1992	1990000521590	05/10/1990	Method for manufacturing foam pattern assemblies
5,088,344	02/18/1992	1990000623272	12/06/1990	Marine propulsion internal combustion engine
5,101,626	04/07/1992	1990000554542	07/19/1990	Exhaust gas discharge system for two-stroke internal combustion engine
5,102,358	04/07/1992	1990000523329	05/14/1990	Marine propulsion device with trailing mechanism including positive mechanical latch
5,106,330	04/21/1992	589.43	09/28/1990	Exhaust Relief System With Baffle

PATENT

REEL: 014196 FRAME: 0625

Patent Number	Grant Date	Application Number	Application Date	Title
5,112,259	05/12/1992	1989000373283	06/26/1989	Two piece drive shaft retention device for outboard motor
5,112,260	05/12/1992	657.241	12/17/1990	Marine Propulsion Device Exhaust System
5,129,847	07/14/1992	1991000740988	08/06/1991	Pivotal air induction for marine propulsion unit
5,131,366	07/21/1992	602.919	10/25/1990	Apparatus for positioning a sensor
5,134,976	08/04/1992	1991000710070	06/04/1991	Internal combustion engine
5,137,002	04/11/1992	631.207	12/21/1990	Vapor Separator
5,137,480	08/11/1992	1991000709599	06/03/1991	Marine propulsion device hydraulic assembly including a blow molded reservoir
5,151,059	09/29/1992	1991000710163	06/04/1991	Shiftable reversing transmission for marine propulsion device
5,154,651	10/13/1992	1990000526044	05/18/1990	Marine propulsion device tilt tube
5,167,546	12/01/1992	1991000744952	08/14/1991	Automatic trim system
5,170,752	12/15/1992	1992000841048	02/25/1992	Thermostat cover with snap-in nipple
5,174,252	12/29/1992	1992000829411	02/03/1992	Exhaust manifold expansion slot for internal combustion motor
5,176,093	01/05/1993	1991000701618	05/14/1991	Marine propulsion device
5,176,549	01/05/1993	1991000736476	07/26/1991	Marine steering apparatus
5,176,551	01/05/1993	1992000847437	03/06/1992	Arrangement for supplying combustion air to an outboard motor
5,178,567	01/12/1993	1992000834609	02/12/1992	Marine engine housing cooling apparatus

PATENT

REEL: 014196 FRAME: 0626

Patent Number	Grant Date	Application Number	Application Date	Title
5,178,568	01/12/1993	1991000723811	07/01/1991	Marine propulsion device with trailing mechanism including positive mechanical latch
5,180,320	01/19/1993	1991000716912	06/18/1991	Tilt switch for tiller-steered outboard
5,180,925	01/19/1993	1991000659851	02/22/1991	Remote switching system for an electric trolling motor
5,184,080	02/02/1993	608.541	11/02/1990	Test Apparatus For Opto-Electronic Time Based Generator Of A
5,188,206	02/23/1993	1991000737388	07/29/1991	Single lever control
5,191,860	03/09/1993	1991000734896	07/24/1991	Marine propulsion device with closed deck cylinder block construction
5,192,235	03/09/1993	1991000782545	10/25/1991	Outboard motor vibration isolation system including improved rubber mount
5,193,499	03/16/1993	1992000831525	02/05/1992	Cast inter-cylinder cooling passage for internal combustion motors
5,193,500	03/16/1993	1991000654088	02/11/1991	Oiling system for internal combustion engine
5,194,025	03/16/1993	1992000847928	03/06/1992	Vibration absorbing steering device for outboard motor
5,195,276	03/23/1993	1991000657658	02/15/1991	Apparatus and method for flushing a casting
5,195,914	03/23/1993	659,901	02/25/1991	Two-stage tilt cylinder mechanism for marine propulsion stern bracket assembly
5,199,388	04/06/1993	1992000908151	07/02/1992	Axial fan flywheel
5,199,480	04/06/1993	1992000874740	04/27/1992	Sealed shot sleeve for vacuum die casting

PATENT

REEL: 014196 FRAME: 0627

Patent Number	Grant Date	Application Number	Application Date	Title
5,201,680	04/13/1994	1991000762859	04/13/1993	Marine propulsion device having quick-disconnect connector
5,203,167	04/20/1993	1991000782427	10/25/1991	Marine propulsion device internal combustion engine and method for making the same
5,203,306	04/20/1993	1992000830769	02/03/1992	Fuel feed system
5,203,396	04/20/1993	07/874,629	04/27/1992	Vacuum valve apparatus for die casting
5,205,868	04/27/1993	1991000793317	11/15/1991	Lost foam pattern assembly apparatus
5,209,684	05/11/1993	1991000726157	05/11/1993	Marine propulsion device
5,211,591	05/18/1993	1992000898481	06/15/1992	Shift rod quick connect and disconnect
5,215,487	06/01/1993	07/823,293	01/21/1992	Marine Propulsion Device Water Inlet Screen
5,219,409	06/15/1993	874,648	04/27/1992	Vacuum die casting process
5,228,194	07/20/1993	07/989,806	12/09/1992	Marine propulsion device with closed deck
5,231,967	08/03/1993	07/808,846	12/16/1991	Fuel pump and fuel filter for a marine installation
5,234,362	08/10/1993	823,258	01/21/1992	Outboard motor with improved housing interface
5,245,960	09/21/1993	07/918,444	07/22/1992	Integral bracket and idler assembly
5,256,091	10/23/1993	788,507	11/06/1991	Shift interlock system
5,273,016	12/28/1993	954,492	09/30/1992	Throttle Lever Position Sensor for two-stroke fuel injected
5,273,467	12/28/1993	07/852,535	03/17/1992	Exhaust Discharge for a Pump Jet
5,275,539	01/04/1994	896,143	06/09/1992	Internal Combustion Engine Oil Pump
5,277,634	01/11/1994	945,821	09/15/1992	Lower Unit Torpedo Configuration

PATENT

REEL: 014196 FRAME: 0628

Patent Number	Grant Date	Application Number	Application Date	Title
5,285,839	02/15/1994	07/841,905	02/26/1992	Internal Combustion Engine and Method for Making Same
5,293,693	03/15/1994	07/847,368	04/27/1992	Vaccum valve design for die casting
5,295,881	03/22/1994	07/974316	11/10/1992	Marine propulsion device with coolant water passages
5,306,185	04/26/1994	20,905	02/22/1993	Catalytic Element For Marine Propulsion Device
5,309,885	05/10/1994	7,839	01/25/1993	Marine propulsion device including a fuel injected four cycl
5,314,002	05/24/1994	49,766	04/19/1993	Vacuum Valve Apparatus for die Casting
5,325,662	07/05/1994	08/146,324	11/02/1993	Advanced Exhaust discharge for pump jet propulsion apparatus
5,332,368	07/26/1994	918,582	07/22/1992	Air compressor having a high pressure output
5,338,236	08/16/1994	08/055,982	04/29/1993	Motor Cover Latch
5,345,910	09/13/1994	49,155	04/19/1993	Engine ignition system having improved warmup advanced timing control
5,348,500	09/20/1994	08/083,998	06/28/1993	Marine propulsion device with selectively operable secondary exhaust discharge
5,349,919	09/27/1994	08/017,041	02/12/1993	Recreational boat
5,350,329	09/27/1994	77,565	06/15/1993	Flushing system for outboard motor
5,360,358	11/01/1994	1993000065993	05/21/1993	Hidden lower motor cover attachment means
5,372,429	12/13/1994	959,865	10/13/1992	Sealable and reusable pouch
5,372,529	12/13/1994	44,492	04/09/1993	Trim assembly

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Patent Number	Grant Date	Application Number	Application Date	Title
5,372,530	12/13/1994	127,793	09/28/1993	Outboard motor with separated exhaust gas pulsing and exhaust gas discharge
5,381,763	01/17/1995	127,792	09/28/1993	Dry Head Cooling System
5,398,645	03/21/1995	77,007	06/15/1993	Combustion chamber for internal combustion engine
5,402,759	04/04/1995	272,416	07/08/1994	Cylinder Decompression Arrangement in Cam Shaft
5,404,846	04/11/1995	235,367	04/29/1994	Jet Pump Exhaust System
5,407,372	04/18/1995	126,549	09/24/1993	Outboard motor cover assembly
5,407,523	04/18/1995	106,055	08/13/1993	Apparatus for assembling lost foam casting patterns
5,408,827	04/25/1995	127,883	09/28/1993	Marine propulsion device with improved catalyst support arrangement
5,409,409	04/25/1995	799,735	11/22/1991	Marine apparatus
5,410,110	04/25/1995	118,155	09/08/1993	Air Silencer Mounting Arrangement
5,410,999	05/02/1995	48,380	04/15/1993	Two-stroke internal combustion engine with improved air intake system
5,411,423	05/02/1995	118,413	09/08/1993	Marine propulsion device with releasably coupled drive shaft assembly
5,419,037	05/30/1995	247,000	05/20/1994	Method of inserting, boring, and honing a cylinder bore liner
5,421,298	06/06/1995	253,926	06/03/1994	Outboard motor including easy withdrawal and insertion of camshaft and rocker arm support shaft

PATENT

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Patent Number	Grant Date	Application Number	Application Date	Title
5,425,232	06/20/1995	128,475	09/28/1993	Marine propulsion device with means for supplying secondary air to catalytic converter
5,437,155	08/01/1995	136,413	10/13/1993	Outboard Motor Exhaust System
5,443,044	08/22/1995	235,502	04/29/1994	Outboard motor with four stroke engine
5,443,406	08/22/1995	126,784	09/24/1993	Vibration isolating mounting for outboard motor
5,449,033	09/12/1995	235,682	04/29/1994	Cylinder head pattern assembly
5,456,230	10/10/1995	245,977	05/19/1994	Four-Stroke Internal Combustion Engine with Contaminated Oil
5,460,552	10/24/1995	08/147,880	11/05/1993	Adaptor Place Mounting System For Marine Jet Propulsion Unit
5,460,553	10/24/1995	147,933	11/05/1993	Jet pump mounting system
5,462,464	10/31/1995	253,862	06/03/1994	Outboard motor with oil sump cooling arrangement
5,463,990	11/07/1995	318,368	10/05/1994	Outboard Motor With Four-Stroke Engine And Exhaust Gas Disch
5,464,357	11/07/1995	147,973	11/05/1993	Jet Pump Exhaust System
5,469,828	11/28/1995	295,811	03/04/1993	Fuel injection device according to the solid energy storage principle for internal combustion engine
5,471,958	12/05/1995	1993000098418	07/27/1993	Internal combustion engine with lubricatingoil supply system
5,472,013	12/05/1995	276,718	07/18/1994	Fuel injection Nozzle
5,474,035	12/12/1995	375,268	01/19/1995	Engine Breather Construction

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Patent Number	Grant Date	Application Number	Application Date	Title
5,480,330	01/02/1996	321.053	10/04/1994	Marine Propulsion Pump With Two Counter Rotating Impellers
5,490,534	02/13/1996	1993000169537	12/17/1993	Double solenoid valve actuator
5,490,804	02/13/1996	313.538	09/27/1994	Marine Propulsion Unit having exteriorly accessible clean-out
5,494,613	02/27/1996	318.364	10/05/1994	Carburetor With Enrichment Fuel Pump
5,498,181	03/12/1996	199400025499	06/07/1994	Outboard motor power head assembly
5,498,182	03/12/1996	1994000255096	06/07/1994	Outboard motor exhaust housing and lost foam pattern therefore
5,503,576	04/02/1996	175,260	12/29/1993	Vibration Isolation Means For Outboard Motor
5,503,577	04/02/1996	1994000268836	06/29/1994	Combined flywheel and timing gear cover
5,516,990	05/14/1996	1994000255336	06/07/1994	Engine incoming air silencer and mounting arrangement therefore
5,517,962	05/21/1996	354.532	12/13/1994	Variable Timing Ignition Circuit Including Conditional Ignit
5,522,743	06/04/1996	368.66	01/04/1995	Marine Propeller with rubber Bushing having Lobular Configur
5,524,578	06/11/1996	536.721	09/29/1995	Two-Cycle engine having improved idle relief
5,524,581	06/11/1996	318.382	10/05/1994	Outboard Motor With Improved Engine Lubrication System
5,530,305	06/25/1996	09/181,578	11/24/1994	Improved Marine Alternator Engine Construction
5,540,084	07/30/1996	322.207	10/13/1994	Vacuum System Testing Tool

PATENT

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Patent Number	Grant Date	Application Number	Application Date	Title
5,544,631	08/13/1996	318.369	10/05/1994	Cylinder Head Construction For Outboard Motor With Four-Stroke
5,544,673	08/13/1996	08/428,338	04/25/1995	Method and Arrangement for Assembling Fuel Injection Nozzles
5,558,058	09/24/1996	1994000253362	06/03/1994	Four stroke engine with combined oil pump and filter assembly
5,562,428	10/08/1996	418.502	04/07/1995	Fuel Injection Pump having an adjustable inlet poppet valve
5,562,511	10/08/1996	376.779	01/23/1995	Marine Apparatus
5,570,662	11/05/1996	541.858	10/10/1995	Internal combustion engine with Lubricating oil Supply system
5,573,436	11/12/1996	448.191	05/23/1995	Semi-Submersible Outboard Motor Cover with Air Passage
5,595,235	01/21/1997	552,396	11/03/1995	Outboard motor exhaust housing and lost foam pattern therefor
5,608,369	03/04/1997	08/506,465	07/25/1995	Magnetic Gap Construction
5,624,693	04/29/1997	1996000587336	01/16/1996	Molding apparatus with combined venting and flushing valve
5,630,401	05/20/1997	276.545	07/18/1994	Combined Fuel Injection Pump and Nozzle
5,632,241	05/27/1997	08/507,051	07/25/1995	Oil Lubricating System for a two stroke internal combustion
5,639,062	06/17/1997	08/507,058	07/25/1995	Modified Heel Valve Construction
5,657,724	08/19/1997	08/552395	11/03/1995	Internal combustion engine construction

PATENT

REEL: 014196 FRAME: 0633

Patent Number	Grant Date	Application Number	Application Date	Title
5,661,895	09/02/1997	507,646	07/25/1995	Method of controlling the magnetic gap length and the initial stroke length of a pressure surge fuel pump
5,661,898	09/02/1997	507,646	07/25/1995	Method of controlling the magnetic gap length and the initial stroke length of a pressure surge fuel pump
5,662,081	09/02/1997		07/24/1995	Oil supply failure detection circuit
5,673,664	10/07/1997	721,189	09/27/1996	Ventless Oil Reservoir
5,681,193	10/28/1997	507,028	07/25/1995	Dual voltage regulated supply circuit for a marine propulsion
5,692,468	12/02/1997	08/507,660	07/25/1995	Fuel Injected Internal Combustion Engine With Improved Combustion
5,700,168	12/23/1997	697,061	08/19/1996	Electronic ignition interruption apparatus
5,711,263	01/27/1998	635,839	04/22/1996	Fuel Primer Pressure Accumulator
5,714,104	02/03/1998	489,363	06/12/1995	Method of molding FRP parts
5,717,130	02/10/1998	704,219	08/23/1996	Method and apparatus for determining emission measurement
5,718,864	02/17/1998	418,568	04/07/1995	Thermosetting resin transfer molding process
5,730,099	03/24/1998	08/701592	08/22/1996	Reduced emission two-stroke engine and method of engine operation
5,730,105	03/24/1998	08/733159	10/17/1996	Idle Control for Internal Combustion Engine
5,737,976	04/14/1998	08/847,792	04/28/1997	Connecting Rod and Crankshaft Assembly
5,738,051	04/14/1998	08/610,553	03/06/1996	Four cycle marine engine
5,752,656	05/19/1998	08/677,884	07/10/1996	Nozzle assembly and method of fabrication thereof

PATENT

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Patent Number	Grant Date	Application Number	Application Date	Title
5,752,863	05/19/1998	08728,602	10/10/1996	Outboard Motor with improved jet propulsion unit
5,781,443	07/14/1998	741,260	10/30/1996	Apparatus for use in parts assembly
5,794,584	08/18/1998	628,844	04/05/1996	Stratified Combustion chamber for a cross-scavenged two stro
5,805,450	09/08/1998	389,091	02/15/1995	Electronic Ignition Timing control and engine management sys
5,806,504	09/15/1998	507,692	07/25/1995	Hybrid ignition circuit for an internal combustion engine
5,809,776	09/22/1998	681,886	07/29/1996	Catalyc converter with radial outflow and by-pass valve
5,816,221	10/06/1998	934,879	09/22/1997	Fuel Injected Rope-Start Engine without Battery
5,829,249	11/03/1998	589,038	01/19/1996	Internal Combustion Engine with exhaust passage and reactor
5,834,874	11/10/1998	941,586	09/30/1997	Alternator with mechanically adjustable output
5,836,794	11/17/1998	941,493	09/30/1997	Retractable Trolling Motor Housing for Boat
5,846,103	12/08/1998		10/09/1996	Tractor Pump Jet
5,846,105	12/08/1998		07/29/1997	Marine jet propulsion water inlet system
5,861,181	01/19/1999	493,378	06/21/1995	Die Casting Machines Frame modification
5,881,692	03/16/1999		10/06/1997	Ventless Fluid Reservoir
5,889,177	05/04/1999	08/947,249	10/08/1997	Four cycle marine engine
5,890,662	04/06/1999	966065	11/10/1997	Solenoid with variable magnetic path

PATENT

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Patent Number	Grant Date	Application Number	Application Date	Title
5,895,844	04/20/1999		05/29/1997	Precise fuel flow measurement with modified fluid control va
5,911,206	06/15/1999		07/30/1997	Fuel injection update system
5,964,626	10/12/1999		12/04/1998	Tractor Pump Jet
5,970,945	10/26/1999		02/11/1998	Barrier divided combustion chamber for fuel injection two-st
5,975,058	11/02/1999		10/13/1998	Start-Assist circuit
5,992,016	11/30/1999		08/20/1997	Method of controlling the magnetic gap length and the initia
5,992,401	11/30/1999	08/926,918	09/10/1997	Capacitive discharge ignition for an internal combustion engine
5,996,734	12/07/1999		03/11/1998	Air intake silencer for a two-stroke engine
6,012,434	01/11/2000		07/20/1998	Fuel system vapor separator for an internal combustion engine
6,015,365	01/18/2000		01/28/1999	Electronic gear shift assist circuitry
6,026,792	02/22/2000	08/879,526	06/20/1997	Method of operating a fuel injected engine
6,033,272	03/07/2000		10/27/1998	Marine jet drive system with debris cleanout feature
6,034,525	03/07/2000		11/25/1998	Method and Apparatus for detecting rotational direction of a
6,036,556	03/14/2000		02/13/1998	Outboard Motor with bleed for engine cooling jacket
6,044,822	04/04/2000		11/24/1998	Programmed break-in mode for two-cycle engine
6,066,941	05/23/2000		07/10/1998	Switching alternator system

Patent Number	Grant Date	Application Number	Application Date	Title
6,082,438	07/04/2000		10/08/1997	Method and system for the control of a vacuum valve of a vac
6,083,063	07/04/2000	09/482,493	01/13/2000	Pump Jet Apparatus with articulating weed grate clean-out sy
6,115,666	09/05/2000		11/23/1998	Method and Apparatus for creating a profile of operating con
6,116,022	09/12/2000		07/03/1996	Catalytic Reactor for Marine Application
6,116,973	09/12/2000	1999000267740	03/15/1999	Apparatus and methods for preventing relative side to side motion between a propshaft housing and a gear case.
6,132,269	10/17/2000	09/265,075	03/09/1999	Cantilever Jet Drive Package
6,146,219	11/14/2000	09/265,072	03/09/1999	Reverse propulsion and control means for water jet powered b
6,148,902	11/21/2000		10/08/1997	Multiple die casting machines with single vacuum source
6,158,409	12/12/2000	08/952,704	03/19/1997	Two-Stroke engine piston bowl configurations
6,166,973	12/26/2000	09/365,508	08/02/1999	Memory device with multiple-bit data pre-fetch function
6,167,875	01/02/2001	09/201,363	11/30/1998	Multiple spark capacitive discharge ignition system for an i
6,168,485	01/02/2001	09/419,143	10/15/1999	Pump jet with double-walled stator housing for exhaust noise
6,170,457	01/09/2001	09/144,735	09/01/1998	Fuel injection engine having fuel spray deflector

Patent Number	Grant Date	Application Number	Application Date	Title
6,170,463	01/09/2001	09/263,799	03/05/1999	Method and Apparatus for optimizing engine operation
6,190,218	02/20/2001	09/406,582	09/27/1999	Pump jet with redirected exhaust gas through stator vane for
6,190,219	02/20/2001	09/179,947	10/27/1997	Seal System for Outboard Motor Covers
6,193,572	02/27/2001	09/547,589	04/11/2000	Propeller Assembly Including a Cantilever Spring
6,196,524	03/06/2001	1993000130633	10/01/1993	Fuel enrichment system
6,210,110	04/03/2001	09/327,890	06/08/1999	Propeller Having a Stress Relief Flare Arrangement
6,220,905	04/24/2001	09/458,284	12/10/1999	Tilt-Trim Subsystem For Marine Propulsion Systems
6,224,434	05/01/2001	09/391,288	09/07/1999	Pump Jet with Axial Directional Flow Control Device for Thru
6,224,435	05/01/2001	09/469,940	12/24/1999	Inlet Structure for Water Jet Apparatus Mounted to Boat Hull
6,224,436	05/01/2001	09/472,715	12/24/1999	Reverse Gate for Water Jet Apparatus
6,224,437	05/01/2001	09/539,755	03/31/2000	Trolling Motor Mount Stabilizer
6,227,919	05/08/2001	09/524,365	03/14/2000	Water Jet Propulsion Unit with Means for Providing Lateral T
6,233,943	05/22/2001	09/672,137	09/27/2000	Computerized System and Method for Synchronizing Engine Spee
6,238,256	05/29/2001	09/470,960	12/24/1999	Arrangement for Mounting propulsion unit to boat hull

PATENT

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Patent Number	Grant Date	Application Number	Application Date	Title
6,244,914	06/12/2001	09/472,714	12/24/1999	Shift and Steering Control System for Water jet apparatus
6,244,917	06/12/2001	1999000425431	10/22/1999	Fuel delivery system for a boat
6,249,069	06/19/2001	09/444,472	11/22/1999	Output regulation of internal combustion engine alternator by mechanical means
6,253,737	07/03/2001	09/539,254	03/30/2000	Direct Fuel Injection Using A Fuel Pump Driven By A Linear E
6,257,940	07/10/2001	09/195,386	06/19/1997	Outboard Motor with Centralized Rigging
6,267,632	07/31/2001	1999000456161	12/07/1999	Water jet propulsion apparatus with inboard mounted power source
6,267,634	07/31/2001	09/390,880	09/07/1999	Propeller Flare
6,270,385	08/07/2001	1999000391286	09/07/1999	Pump jet rotor housing modification for noise signature spectral control
6,273,768	08/14/2001	09/545,483	04/07/2000	Water jet propulsion unit with counter-rotating impellers
6,279,499	08/28/2001	2000000540814	03/31/2000	Rotational jet-drive bow thruster for a marine propulsion system
6,280,267	08/28/2001	09/540,683	03/31/2000	Retractable Trolling Motor
6,280,270	08/28/2001	09/603,044	06/26/2000	Assembly and Method For Routing Exhaust Trough a Gimbal in a
6,283,095	09/04/2001	09/464,188	12/16/1999	Quick Start Fuel Injection Apparatus and Method
6,283,107	09/04/2001	09/251,584	02/17/1999	Methods and Apparatus for Measuring Atmospheric Pressure and

PATENT

REEL: 014196 FRAME: 0639

Patent Number	Grant Date	Application Number	Application Date	Title
6,287,162	09/11/2001	09/469,594	12/24/1999	Bearing Arrangement for Drive Shaft of Water Jet Apparatus
6,293,836	09/25/2001	09/536,497	03/27/2000	Water Jet Propulsion Unit with Means for Varying Area of Noz
6,293,838	09/25/2001	09/397,819	09/17/1999	A Marine Propulsion System And Method For Controlling Engine
6,293,842	09/25/2001	09/615,178	07/13/2000	Cantilever Jet Drive Package Having Mounting Adapter with Ex
6,295,972	10/02/2001	2000000538660	03/30/2000	Fuel Delivery Using Multiple Assemblies Per Combustion Chamber
6,296,535	10/02/2001	09/468,569	12/21/1999	Tilt-Trim Subsystem For Boats Using A Stern Drive System
6,298,822	10/09/2001	09/539,253	03/30/2000	Direct Fuel Injection Using Multiple Fluid Actuators Per Noz
6,299,493	10/09/2001	09/539,582	03/31/2000	Steering Control Method and Apparatus for Dual Electric Moto
6,299,494	10/09/2001	09/591,305	06/09/2000	Articulating Nozzle Assembly for Water Jet Apparatus
6,302,755	10/16/2001	09/552,750	04/19/2000	A Transom Seal Providing Independently Secure Dual Sealing T
6,303,860	10/16/2001	09/450,602	11/30/1999	Bladder Insert For Encapsulant Displacement
6,305,994	10/23/2001	09/540,682	03/31/2000	Hull For Dual Electric Motor Propulsion System

PATENT

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Patent Number	Grant Date	Application Number	Application Date	Title
6,305,997	10/23/2001	09/543,437	04/05/2000	Self-Aligning Universal Joint Assembly for a Stern Drive
6,308,688	10/30/2001	09/390,514	09/03/1999	Start-Assist Circuit
6,314,939	11/13/2001	09/266,572	03/11/1999	Method and Apparatus for Controlling Engine Operation
6,315,624	11/13/2001	09/558,681	04/26/2000	Exhaust Probe
6,318,344	11/20/2001	09/610,793	07/06/2000	Deaded-Headed Fuel Delivery System Using A Single Fuel Pump
6,321,592	11/27/2001	09/193,100	06/16/1997	Method and Apparatus For Calibrating a Position Sensor Used
6,322,405	11/27/2001	09/540,090	03/31/2000	Reversing Control for Trolling Motor Propulsion System
6,322,406	11/27/2001	09/540,695	03/31/2000	Dual Electric Motor Marine Propulsion System
6,326,895	12/04/2001	09/561,724	05/01/2000	Fluid Level Sensor For Fluid Tanks of Boats
6,332,422	12/25/2001	2000000607951	06/30/2000	Hull modification to minimize porpoising of a boat.
6,339,271	01/15/2002	09/468,582	12/21/1999	Molded Flywheel Magnet Cage
6,345,581	02/12/2002	1999000316582	05/21/1999	Modular pontoon boats
6,346,017	02/12/2002	09/621,382	07/21/2000	Gear Shift Mechanism For Outboard Motor Drive Unit
6,349,885	02/26/2002	09/540,698	03/31/2000	Fuel Injector For Internal Combustion Engines and Method for

PATENT

REEL: 014196 FRAME: 0641

Patent Number	Grant Date	Application Number	Application Date	Title
6,350,164	02/26/2002	09/540,305	03/31/2000	Dual Electric Motor Stern Drive with Forward Thruster Control
6,350,165	02/26/2002	09/598,207	06/21/2000	Marine Stern Drive Two-Speed
6,350,166	02/26/2002	09/571,752	05/15/2000	Outboard engine with resonance-avoiding exhaust housing
6,350,167	02/26/2002	09/606,634	06/29/2000	Inflatable Transom Seal and Techniques for Assembling such stern drive
6,351,704	02/26/2002	09/540,691	03/31/2000	Method and Apparatus for Calibrating a Position Sensor Used Control
6,352,457	03/05/2002	09/543,725	04/05/2000	Assembly and Method for Providing Shift Control for a Marine
6,354,802	03/12/2002	09/547,007	04/11/2000	Propeller Assembly Including A Spiral Wound Spring
6,357,408	03/19/2002	09/540,817	03/31/2000	System and Method for Eliminating Pocket Sparking in an Inte
6,358,106	03/19/2002	09/570,629	05/15/2000	Vibro-Acoustic Treatment for Engine Noise Suppression
6,358,109	03/19/2002	09/456,586	12/08/1999	Air Cooled Marine Engine Exhaust
6,360,161	03/19/2002	09/566,000	05/04/2000	Method And System For Fuel Injector Coefficient Installation
6,361,385	03/26/2002	09/541,356	03/31/2000	Dual Electric Motor Stern Drive With Forward Rudder Control
6,363,874	04/02/2002	09/540,079	03/31/2000	Rotational Electric Bow Thruster For A Marine Propulsion Sys

PATENT

REEL: 014196 FRAME: 0642

Patent Number	Grant Date	Application Number	Application Date	Title
6,363,875	04/02/2002	09/540,819	03/31/2000	Method and Apparatus For Trimming a Dual Electric Motor Mari
6,368,170	04/09/2002	09/621,073	07/21/2000	Marine Propulsion Apparatus Having Interchangeable Parts
6,371,820	04/16/2002	09/574,787	05/19/2000	Integral-Piece Gimbal Ring And Steering Assembly for Marine
6,375,528	04/23/2002	09/547,591	04/11/2000	Adjustable Variable Vent Opening Plugs for Engine Exhaust
6,378,472	04/30/2002	09/664,175	09/19/2000	Oiling System Isolation and Regulator Valve
6,379,200	04/30/2002	09/620,457	07/21/2000	Watercraft Fuel Supply Apparatus and Method
6,383,042	05/07/2002	09/547,009	04/11/2000	Axial Twist Propeller Hub
6,384,332	05/07/2002	09/604,983	06/28/2000	Bladder Insert For Encapsulant Displacement
6,386,171	05/14/2002	09/689,375	10/12/2000	Oil Delivery System with Oil Temperature Compensation Contro
6,390,033	05/21/2002	09/432,533	11/03/1999	Oiling System
6,394,861	05/28/2002	09/689,953	10/12/2000	Oil System and Housing with Periodic Oil Diversion
6,398,511	06/04/2002	09/641,325	08/18/2000	Injector Driver Circuit With Energy Storage Apparatus
6,399,153	06/04/2002	09/702,250	10/31/2000	Method and Apparatus for air masking portion of component du

PATENT

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Patent Number	Grant Date	Application Number	Application Date	Title
6,405,714	06/18/2002	09/570,096	05/12/2000	Method And Apparatus For Calibrating And Controlling Fuel In
6,406,344	06/18/2002	09/585,477	06/01/2000	Marine Exhaust With Dual Cooling
6,415,764	07/09/2002	09/686,310	10/11/2000	Computerized System and Method for Controlling Engine Speed
6,416,367	07/09/2002	09/681,021	11/28/2000	Shift Linkage
6,416,368	07/09/2002	09/540,082	03/31/2000	Unitary Inboard Electric Propulsion System
6,416,370	07/09/2002	09/730,720	12/06/2000	Watercraft Hydraulic Apparatus
6,416,373	07/09/2002	09/689,456	10/12/2000	Oil System Vent With Remote Oil Reservoir
6,419,535	07/16/2002	09/571,751	05/15/2000	Outboard Engine with Acoustic Seals Installed in Motor Housi
6,422,207	07/23/2002	09/724,821	11/28/2000	Fuel Vapor Separator
6,422,255	07/23/2002	09/631,420	08/03/2000	Multi-Function Valve Having A Movable Seat And Needle
6,422,836	07/23/2002	09/540,818	03/31/2000	Bi-Directionally Driven Reciprocating Fluid Pump
6,425,364	07/30/2002	09/724,370	11/28/2000	Two-Stroke Direct Fuel Injected Marine Engine Having Anodize
6,428,369	08/06/2002	2000000723983	11/28/2000	Jet- propelled boat having through-hull housing for shaft penetration
6,428,370	08/06/2002	09/928,638	08/13/2001	Water Jet Propulsion System Having Reverse Gate Optimized fo
6,428,372	08/06/2002	09/928,063	08/11/2001	Water Jet Propulsion Unit with Retractable Rudder

PATENT

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Patent Number	Grant Date	Application Number	Application Date	Title
6,431,199	08/13/2002	09/681,022	11/28/2000	Vent Control System
6,431,930	08/13/2002	09/162,566	09/29/1998	Electronic Control System for Boats
6,435,146	08/20/2002	09/694,186	10/23/2000	An Engine Oiling Distribution System For Purging Air And Met
6,435,159	08/20/2002	09/567,575	05/10/2000	Fuel Injected Internal Combustion Engine With Reduced Squish
6,435,923	08/20/2002	09/613,093	07/10/2000	Two Speed Transmission with Reverse For a Watercraft
6,453,877	09/24/2002	09/681,020	11/28/2000	Fuel Delivery System Using Two Pressure Regulators With a Si
6,457,463	10/01/2002	09/723,513	11/28/2000	Multi-Fuel Direct Injection Engine
6,458,003	10/01/2002	09/723,771	11/28/2000	Dynamic Trim Of A Marine Propulsion System
6,467,472	10/22/2002	09/723,496	11/28/2000	System And Method For Improve Sensing of Exhaust Pressure
6,468,122	10/22/2002	09/723,861	11/28/2000	Fuel Injected Engine With Cross Scavenging
6,475,044	11/05/2002	2000000724054	11/28/2000	Vibration isolation for mounting water jet propulsion unit to hull
6,477,992	11/12/2002	10/002,380	10/20/2001	Oiling System
6,478,642	11/12/2002	09/689,369	10/12/2000	Oil System with Replaceable Oil Filter for Two-Cycle
6,481,426	11/19/2002	09/723,863	11/28/2000	Low Signature EM1/RF1 Engine
6,482,055	11/19/2002	09/927,713	08/10/2001	Water Jet Propulsion Unit Having Linear Weed Grate Clean-Out

PATENT

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Patent Number	Grant Date	Application Number	Application Date	Title
6,484,688	11/26/2002	09/723,860	11/28/2000	Control Methodology For An Internal Combustion Engine That U
6,484,706	11/26/2002	09/570,642	05/15/2000	Nonadjustable Throttle Linkage and Internal Combustion Engin
6,484,709	11/26/2002	09/723,859	11/28/2000	Valve Arrangement For Combustion Sensor
6,485,340	11/26/2002	09/192,801	11/16/1998	Electrically Controlled Shift and Throttle System
6,491,554	12/10/2002	2000000614186	07/11/2000	Watercraft with steerable planing surface
6,497,594	12/24/2002	2000000621510	07/21/2000	Removable marine gearcase plate
6,505,595	01/14/2003	09/657,743	09/08/2000	Method And Apparatus For Controlling Ignition During Engine
6,505,600	01/14/2003	09/707,231	11/06/2000	Direct Injection Two Stroke Engine Combustion Mapping
6,508,681	01/21/2003	09/588,519	06/05/2000	Low Friction Exhaust Bellows and Techniques for Construction
6,511,355	01/28/2003	09/653,294	08/31/2000	Catalyst Exhaust System
6,517,395	02/11/2003	09/722,915	11/27/2000	Drive Train With a Single Diametral Pitch Pinion Driving Two
6,526,938	03/04/2003	09/723,559	11/28/2000	Cold Start Strategy For Direct Injected Engines
6,532,932	03/18/2003	2000000723862	11/28/2000	System and method for controlling an internal combustion engine
6,548,925	04/15/2003	10/041,730	01/08/2002	Molded Flywheel Magnet Case

PATENT

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Patent Number	Grant Date	Application Number	Application Date	Title
6,549,843	04/15/2003	09/681,005	11/13/2000	Diagnostic System And Method to Temporarily Adjust Fuel Quan
6,553,963	04/29/2003	09/690,608	10/17/2000	Throttle Assembly With Oil Seal Bushing
6,554,663	04/29/2003	10/002,824	11/01/2001	Marine Stern Drive Two-Speed Transmission
6,558,211	05/06/2003	09/928,062	08/10/2001	Low-Profile Steering Nozzle for Water Jet Propulsion System
6,558,213	05/06/2003	09/313,779	05/17/1999	High Performance Engine Skeg
6,561,859	05/13/2003	09/621,036	07/21/2000	Marine Engine Steering Arm Yoke and Trunnion Assembly
6,583,355	06/24/2003	10/054,034	01/22/2002	Bladder Insert For Encapsulant Displacement
6,585,224	07/01/2003	09/629,343	08/01/2000	Outboard Motor Rack System And Related Method Of Use
6,585,545	07/01/2003	10/063,691	05/08/2002	Shielded Tilt-Trim Subsystem For Boats Using A Stern Drive S
6,585,546	07/01/2003	09/969,240	10/02/2001	Methods and Apparatus For Retaining A Propshaft Support Bear
6,595,814	07/22/2003	10/000,176	10/23/2001	Watercraft Fuel Supply Apparatus and Method
6,604,494	08/12/2003	09/448,368	11/23/1999	Water-Cooled Engine Control
6,607,410	08/19/2003	09/591,884	06/09/2000	Single Cylinder Tilt-Trim Assembly For Boats Using a Stern D
6,609,892	08/26/2003	09/717,626	11/21/2000	Propeller Hub
6,609,939	08/26/2003	09/620,875	07/21/2000	Marine Engine Mounting Assembly

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Patent Number	Grant Date	Application Number	Application Date	Title
6,615,160	09/02/2003	09/430,228	10/29/1999	Methods and Apparatus for Engine Diagnostics
6,626,381	09/30/2003	10/005,865	11/08/2001	A Multi-Port Fuel Injection Nozzle and System and Method Inc
6,638,122	10/28/2003	09/540,375	03/31/2000	Electric Marine Propulsion System Employing Switched Relucta
6,644,250	11/11/2003	2000000670730	09/27/2000	Engine oiling system and an oil system distribution manifold, and method of use
6,647,950	11/18/2003	10/137,617	05/02/2002	Fuel Injected Internal Combustion Engine With Reduced Squish
6,648,703	11/18/2003	2002000171460	06/12/2002	Convertible outboard motor tiller arm and motor incorporation same
6,652,332	11/25/2003	2002000319433	12/13/2002	Reverse gate for water jet propulsion system
6,656,004	12/02/2003	09/932,301	08/17/2001	Tilt-Trim Subsystem For Marine Propulsion Systems
D331,410	12/01/1992	515.254	04/27/1990	Transom screw cover for outboard motor
D343,610	01/25/1994	851.342	03/11/1992	Recreational boat
D365,034	12/12/1995	31.494	11/28/1994	Power pack and sensor
D423,017	04/18/2000	29/105,029	05/17/1999	Skeg
D424,504	05/09/2000	29/106,092	06/08/1999	Four blade propeller hub
D425,009	05/16/2000	29/106,094	06/08/1999	Three blade propeller hub
D425,473	05/23/2000	29/110,519	09/07/1999	Propeller Flare
D435,238	12/19/2000	29/106,093	06/08/1999	Five blade propeller hub
D445,114	07/17/2001	29/130,296	09/29/2000	Outboard Cowling

Patent Number	Grant Date	Application Number	Application Date	Title
D453,770	02/19/2002	29/130,464	09/29/2000	Outboard Cowling
D453,771	02/19/2002	29/130,465	09/29/2000	Outboard Cowling (New Evinrude 200 Ultimate Thunder)
D453,772	02/19/2002	29/130,645	09/29/2000	Outboard Cowling
D457,166	05/14/2002	29/130,279	09/29/2000	Outboard Motor (New Evinrude 175)
D458,273	06/04/2002	29/122,836	05/04/2000	Outboard Motor (Johnson 150/175)
D458,274	06/04/2002	29/122,876	05/04/2000	Outboard Cowling (Johnson 150/175 Eagle; 105 Jet)
D458,938	06/18/2002	29/126,277	07/12/2000	Outboard Cowling
D460,082	07/09/2002	29/122,812	05/04/2000	Outboard Cowling (Johnson 200/225/250)
D461,823	08/20/2002	29/122,877	05/04/2000	Outboard Cowling
D462,363	09/03/2002	29/122,879	05/04/2000	Outboard Cowling (Johnson V4 90/115)
D467,938	12/31/2002	29/157,826	03/27/2002	Cowling Embellishment
D470,154	02/11/2003	29/157,825	03/27/2002	Cowling Embellishment
D474,784	05/20/2003	29/159,706	04/26/2002	Cowling
RE32,938	06/06/1989	406,446	08/09/1982	Dual fuel system for internal combustion engine
RE34,285	06/15/1993	452,559	12/18/1989	Automatic Trim System
RE34,764	10/25/1994	042620	04/02/1993	Exhaust gas discharge system for two-stroke internal combustion engine
RE35,040	09/26/1995	509,877	04/16/1990	Pressure and temperatue relief valve and diaphragm valve
RE36,451	12/21/1999	08/644,404	05/01/1996	Two-stroke internal combustion engine with improved air inta

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Patent Number	Grant Date	Application Number	Application Date	Title
		07/012336	02/09/1987	Electronically assisted engine starting means
		07/184,145	04/21/1988	Under the flywheel ignition system
		07/637,460	01/04/1991	Fuel pump and fuel filter for a marine installation
		07/761,424	09/17/1991	Fuel pump and fuel filter for a marine installation
		08/945,975	06/03/1998	Fuel injection Device for Fuel Injected Engines
		08/970,585	11/14/1997	High Performance Alternator Using Duplex Mode Generation
		09/000001	06/01/1930	Tilt-Trim System Having a Motor with Aluminum Bracket
		09/000005	07/19/1932	Tilt-Trim System Motor with Polyolefin or Chlorosulfinated P
		09/195,797	11/19/1998	Method of operating a fuel injected engine
		09/262,266	03/04/1999	Stern Drive System and Method of Installation Thereof
		09/267,481	03/11/1999	Oil Injection System
		09/268,077	03/12/1999	Fuel Injection for Combustion Engines and Method For Making
		09/316,582	05/21/1999	Modular Pontoon Boats
		09/368,857	08/05/1999	Direct fuel-injected internal combustion using using graphite-based pistons

Patent Number	Grant Date	Application Number	Application Date	Title
		09/391,286	09/07/1999	Pump Jet Rotor Housing Modification for Noise Signature Spec
		09/425,431	10/22/1999	A Fuel Delivery System For A Boat
		09/456,161	12/07/1999	Water Jet Propulsion Apparatus with Inboard Mounted Power So
		09/468,569	12/21/1999	Single Cylinder Tilt-Trim Assembly For Boats Using a Stern D
		09/528,766	03/17/2000	Reciprocating Fluid Pump Employing Reversing Polarity Motor
		09/540,372	03/31/2000	Marine Propulsion Control System with Bus Signal Transfer To
		09/547,593	04/11/2000	Propeller Assembly
		09/559,867	04/26/2000	Exhaust Diaphragm Assembly
		09/567,365	05/09/2000	A Propulsion System Having Means Dedicated For Driving Acces
		09/567,539	05/05/2000	Marine Engine Cooling Systems and Methods
		09/568,838	05/11/2000	Marine Engine Pressure Relief Valve
		09/579,973	05/26/2000	Method And Apparatus For Quick Starting A Rope-Start Two-Str
		09/594,310	06/15/2000	Method And Apparatus For Regulating Gas Entrainment in a Fue
		09/597,435	06/20/2000	Fuel Injector Assembly Process
		09/614,186	07/11/2000	Watercraft with Steerable Planing Surface
		09/621,510	07/21/2000	Removable Marine Gear Case Plate

Patent Number	Grant Date	Application Number	Application Date	Title
		09/670,730	09/27/2000	An Engine Oiling System And An Oil System Distribution Manif
		09/714,062	11/16/2000	System and Method for Information Exchange Between a Multi-D
		09/714,316	11/16/2000	Air Intake Silencer
		09/716,986	10/23/2000	Silk Drive On Small Engines
		09/723,862	11/28/2000	System and Method for Controlling An Internal Combustion Eng
		09/723,864	11/28/2000	Method And Apparatus For Identifying Parameters Of An Engine
		09/723,974	11/28/2000	Dewatering System For Submersible Engine
		09/723,983	11/28/2000	Jet-Propelled Boat Having Through Hull Housing for Shaft Pen
		09/724,054	11/28/2000	Vibration Isolation for Mounting Water Jet Propulsion Unit t
		09/724,237	11/28/2000	Braking System for Jet-Propelled Boat
		09/724,474	11/28/2000	Submersible Outboard Motor Having Fuel Injection
		09/927,719	08/10/2001	Axial-Flow Outboard Jet Propulsion Unit
		10/005,671	11/08/2001	A Two-Piece Flow Homogenizing Fuel Injection Nozzle and Syst
		10/005,769	11/08/2001	Swirl-Producing Fuel Nozzle and System and Method Incorporat

Patent Number	Grant Date	Application Number	Application Date	Title
		10/005,838	11/08/2001	A Large Volume Flow-Homogenizing Fuel Injection Nozzle and S
		10/049,243	07/26/2000	Device for Delivering and/or Spraying Flowable Media especia
		10/063,403	04/18/2002	Two-Stroke, direct-injected engine having a fuel-free crankc
		10/064,722	08/09/2002	Vent Control System
		10/092,717	03/08/2002	Engine Diagnostic Via PDA
		10/153,370	05/21/2002	Injector Driver Circuit With Energy Storage Apparatus
		10/171,460	06/12/2002	Convertible Outboard Motor Tiller Arm and Motor Incorporatin
		10/211,556	08/05/2002	Fuel pump
		10/243,903	09/13/2002	Oil System with Replaceable Oil Filter for Two-Cycle
		10/248,722	02/12/2003	W-Bowl Piston
		10/248,722	02/12/2003	Piston For Spark-Ignited Direct Fuel Injection Engine
		10/248,738	02/13/2003	Watertight Flywheel Housing For Boats For Using A stern Driv
		10/249,055	03/12/2003	Propeller Shaft Housing Retention System
		10/268,383	10/10/2002	Oil Injection System
		10/268,430	10/10/2002	Method And Apparatus For Dissipating Heat From A Combustion

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Patent Number	Grant Date	Application Number	Application Date	Title
		10/269,590	10/11/2002	Diagnostic System And Method to Temporarily Adjust Fuel Quan
		10/291,884	11/08/2002	Water-Cooled Engine Control
		10/319,433	12/13/2002	Reverse Gate For Water Jet Propulsion System
		10/349,595	01/22/2003	Shift Enabling Interrupt System
		10/349,616	01/22/2003	A System and Method for Lubricating an Internal Combustion E
		10/349,944	01/22/2003	Oil Pressure Monitoring System for Two-Stroke Engines
		10/355,769	01/30/2003	Submersible Outboard Motor Having Fuel Injection
		10/359,534	02/03/2003	Dewatering System For Submersible Engine
		10/368,109	02/14/2003	Method And Apparatus For Identifying Parameters Of An Engine
		10/410,236	04/10/2003	Outboard Engine Cowling
		10/436,791	05/12/2003	Methods and apparatus for engine diagnostics
		10/436,792	05/13/2003	Methods and Apparatus for Engine Diagnostics
		10/604,438	07/21/2003	Apparatus and Method to reduce engine calibration
		10/605,168	09/12/2003	Method and System For Fuel Injector Time Delay Installation

Patent Number	Grant Date	Application Number	Application Date	Title
		10/605,618	10/14/2003	Reverse gate for a watercraft
		10/605,620	10/14/2003	Actuator Assisted Blow-Off Valve Assembly to Control Coolant
		10/605,622	10/14/2003	Adaptative idle speed control for a direct injected internal combustion engine
		10/605,706	10/21/2003	Swirl Fuel Injector For Internal Combustion Engine
		10/605,709	10/21/2003	System and method for predictive under-fueling and over-fueling in a combustion
		10/605,710	10/21/2003	System and Method to Detect and Correct Spark Plug Fouling i
		10/605,712	10/21/2003	System and method using ion gap sensing for optimization of a multi-spark event in a ma
		10/605,714	10/21/2003	Air intake silencer
		10/605,937	11/06/2003	Flywheel with torsional dampening ring
		10/615,802	07/10/2003	Outboard Engine Cowling
		10/615,827	07/10/2003	Outboard Engine Cowling
		10/615,835	07/10/2003	Outboard Engine Cowling
		10/667,165	09/17/2003	Reverse gate for water jet propulsion system
		10/668328	09/24/2003	Fuel Pump
		10/675,609	09/30/2003	Fuel injector driver circuit with energy storage apparatus
		29/175,384	02/04/2003	Cowling

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Patent Number	Grant Date	Application Number	Application Date	Title
		29/183,423	06/12/2003	Cowling
		29/183,424	07/12/2003	Cowling
		29/183,425	06/12/2003	Cowling
		29/183,426	06/12/2003	Cowling
		29/188,591	08/21/2003	Cowling and Elements Thereof (Titanium 3-Cylinder Version)
		29/188,593	08/21/2003	Cowling and Elements Thereof (Titanium Pull-Start Version)
		29/193238	11/07/2003	Elements of a Cowling
		60/020,033	06/21/1996	Multiple spark capacitive discharge ignition system for an internal combustion engine
		60/319,090	01/22/2002	Shift Enabling Interrupt System
		60/319,409	07/19/2002	Apparatus and Method to reduce engine calibration
		60/319,985	02/28/2003	Swirl Fuel Injector For Internal Combustion Engine
		60/330,634	10/26/2001	Engine Diagnostic Via PDA
		60/363,367	03/12/2002	Propeller shaft housing retention system
		60/371,495	04/11/2002	Outboard Engine Cowling
		60/375,400	04/26/2002	Outboard engine cowling
		60/445,723	02/06/2003	Motor Cover Spring Latch
		60/478,389	06/13/2003	Reverse Gate Assembly for Twin Jet Drive Installations
		60/481,168	08/01/2003	System and Method to Detect and Correct Spark Plug Fouling i

Patent Number	Grant Date	Application Number	Application Date	Title
		60/481,186	08/06/2003	System and Method Using Ion Gap Sensing For Optimization of
		60/481,189	08/07/2003	Actuator Assisted Blow-Off Valve Assembly to Control Coolant
		60/481,259	08/19/2003	System and Method For Predictive Under-Fueling an Over-Fueli
		60/481,355	09/10/2003	Air Intake Silencer
		60/481,358	09/11/2003	Flywheel with Torsional Dampening Ring
		60/481,494	10/09/2003	Flywheel assembly having elastomer ring
		60/507,063	09/30/2003	Marine Engine Supercharger
		60/513,777	10/23/2003	Idle Relief Muffler
		60/514,208	10/24/2003	Dual temperature closed loop cooling system
		PCT/US01/42907	11/05/2001	Direct injection two-stroke engine combustion mapping
		PCT/US02/21592	07/10/2002	Engine diagnostic software
		PCT/US02/39907	12/13/2002	Direct Fuel-Injected Internal Combustion Engine Having Impro

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