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10-1101

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Name: Cummins Engine IP, Inc..

Additional name(s) of conveying party(ies) attached? []Yes [X]No

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4. Application number(s) or patent number(s):

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A. Patent Application No.(s)

B. Patent No.(s)

See Attachment A

4475500

Additional numbers attached? [X]Yes []No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Peter C. Maki

6. Total number of applications and patents involved: 386

Address: Schwegman, Lundberg, Woessner & Kluth, P.A.
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Peter C. Maki
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Patent Number	Title	File Date	Grant Date	Entity
4,475,500	Automatic lash adjustment for engine compression brake	28-Dec-83	09-Oct-84	Cummins Engine
4,483,177	Transducer calibration verification fixture for multiple spindle torque units	06-Jan-83	20-Nov-84	Cummins Engine
4,485,621	System and method for reducing particulate emissions from internal combustion engines	07-Jan-83	04-Dec-84	Cummins Engine
4,495,907	Combustion chamber components for internal combustion engines	18-Jan-83	29-Jan-85	Cummins Engine
4,512,147	Method and apparatus for removing carbon particles from engine exhausts	07-Jan-83	23-Apr-85	Cummins Engine
4,512,300	Oil temperature control system for internal combustion engine	17-Apr-84	23-Apr-85	Cummins Engine
4,520,542	Hand operable tool used in installing piston assemblies into an engine block	14-Sep-83	04-Jun-85	Cummins Engine
4,520,627	Turbocharged internal combustion engine	09-Aug-83	04-Jun-85	Cummins Engine
4,520,767	Low flow cooling system and apparatus	16-Sep-83	04-Jun-85	Cummins Engine
4,529,169	Hardfaced valves and method of making same	07-Jan-83	16-Jul-85	Cummins Engine
4,531,672	Solenoid operated unit injector having distinct timing, metering and injection periods	13-May-83	20-Jul-85	Cummins Engine
4,550,692	Cooling system	13-Feb-84	05-Nov-85	Cummins Engine
4,552,662	Integral fuel filter head and adapter for multiple fuel filter canisters	02-Jul-84	12-Nov-85	Cummins Engine
4,553,504	Means and method for alternate fuel fumigation in internal combustion engines	30-Dec-83	19-Nov-85	Cummins Engine
4,557,221	Fuel additive injection system	27-May-83	10-Dec-85	Cummins Engine
4,559,782	Turbocharger drain line with reinforced flexible conduit	25-Mar-83	24-Dec-85	Cummins Engine
4,560,718	High swell gasket material	13-Dec-84	24-Dec-85	Cummins Engine
4,562,799	Monolithic ceramic cylinder liner and method of making same	17-Jan-83	07-Jan-86	Cummins Engine
4,565,177	Unitized cross tie aftercooler assembly	09-Sep-83	21-Jan-86	Cummins Engine
4,573,439	Oil pump arrangement for supplying oil under pressure in an internal combustion engine	17-Jul-84	04-Mar-86	Cummins Engine
4,586,337	Turbocompound system	17-Jan-84	06-May-86	Cummins Engine
4,587,933	Cylinder block for internal combustion engine	19-Aug-83	13-May-86	Cummins Engine
4,593,659	Engine valve cover	28-Jun-85	10-Jun-86	Cummins Engine
4,601,265	Internal combustion engine with improved coolant arrangement	28-Jun-85	22-Jul-86	Cummins Engine
4,615,314	Reversible oil pan assembly	06-Jan-82	07-Oct-86	Cummins Engine
4,619,677	Disposable air filter assembly and method of making same	13-Dec-85	28-Oct-86	Cummins Engine
4,620,509	Twin-flow cooling system	05-Aug-85	04-Nov-86	Cummins Engine
4,621,605	Positive displacement fuel injection system	30-Dec-83	11-Nov-86	Cummins Engine

Patent Number	Title	File Date	Grant Date	Entity
4,628,875	Lubricant supply rail	28-Jun-85	16-Dec-86	Cummins Engine
4,648,365	Engine compression braking system for an internal combustion engine	26-Nov-85	10-Mar-87	Cummins Engine
4,653,761	Coolant flow orificing head gasket	28-Jun-85	31-Mar-87	Cummins Engine
4,655,177	Rocker arm support assembly	28-Jun-85	07-Apr-87	Cummins Engine
4,664,684	Air filter unit	30-Jan-86	12-May-87	Cummins Engine
4,681,326	Gas lubricated piston ring assembly	10-Jun-85	21-Jul-87	Cummins Engine
4,686,348	Method for hardfacing valves	02-Apr-85	11-Aug-87	Cummins Engine
4,688,809	Gasket for internal combustion engine	26-Nov-85	25-Aug-87	Cummins Engine
4,700,888	Auxiliary heater controller	18-Jun-86	20-Oct-87	Cummins Engine
4,711,210	Compression braking system for an internal combustion engine	26-Dec-86	08-Dec-87	Cummins Engine
4,718,828	Tamper-proof adjustment screw arrangement for vehicle fuel supply systems and the like	23-Sep-86	12-Jan-88	Cummins Engine
4,721,247	High pressure unit fuel injector	19-Sep-86	26-Jan-88	Cummins Engine
4,738,776	Lubricant filter assembly	23-May-86	19-Apr-88	Cummins Engine
4,753,266	Valve assembly	08-Apr-86	28-Jun-88	Cummins Engine
4,754,417	Computer implemented go/no go gauging system	29-Sep-86	28-Jun-88	Cummins Engine
4,766,855	Plasma jet ignition apparatus	23-Dec-86	30-Aug-88	Cummins Engine
4,771,739	Cooling system for an internal combustion engine	27-May-87	20-Sep-88	Cummins Engine
4,776,390	Venting filler cap	24-Sep-85	11-Oct-88	Cummins Engine
D298,051	Air filter housing for mounting on an internal combustion engine	21-Feb-86	11-Oct-88	Cummins Engine
4,781,530	Compressor range improvement means	28-Jul-86	01-Nov-88	Cummins Engine
RE32,802	Two-cycle engine with improved scavenging	07-Jul-87	20-Dec-88	Cummins Engine
4,793,043	Fuel pump distribution assembly salvage method	07-Jul-87	27-Dec-88	Cummins Engine
4,794,894	Ceramic tipped pivot rod and method for its manufacture	05-Mar-87	03-Jan-89	Cummins Engine
4,806,040	Ceramic ball and socket joint	17-Feb-87	21-Feb-89	Cummins Engine
4,813,600	Simplified pressure time dependent fuel injector	16-Oct-87	21-Mar-89	Cummins Engine
4,844,030	Thermal fatigue resistant cylinder head	07-Apr-88	04-Jul-89	Cummins Engine
4,848,286	Ceramic tipped pivot rod and method for its manufacture	28-Sep-88	18-Jul-89	Cummins Engine
4,854,746	Crankshaft bearing cap location scheme	28-Jun-85	08-Aug-89	Cummins Engine
4,862,393	Oil change interval monitor	12-Jan-88	29-Aug-89	Cummins Engine
4,865,136	Pressure relief valve for roller bit	05-Oct-87	12-Sep-89	Cummins Engine
4,869,219	Dual spring air fuel control for the PT fuel system	23-Jun-88	26-Sep-89	Cummins Engine
4,872,427	Position controller for a rotatable shaft	29-Nov-88	10-Oct-89	Cummins Engine
4,874,047	Method and apparatus for retaining roller cone of drill bit	21-Jul-88	17-Oct-89	Cummins Engine
4,885,953	Gear train housing of an engine	02-Jul-84	12-Dec-89	Cummins Engine
4,893,651	Self-venting drain valve assembly	06-Jan-89	16-Jan-90	Cummins Engine
4,901,531	Rankine-diesel integrated system	29-Jan-88	20-Feb-90	Cummins Engine
4,902,358	Ceramic to metal brazing	16-Nov-88	20-Feb-90	Cummins Engine

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4,905,960	Solenoid valve stroke adjustment locking mechanism and method of forming the same	08-Dec-88	06-Mar-90	Cummins Engine
4,909,197	Cam follower assembly with pinless roller	16-Aug-89	20-Mar-90	Cummins Engine
4,909,219	Hydromechanical fuel pump system	19-Jan-89	20-Mar-90	Cummins Engine
4,911,127	Fuel injector for an internal combustion engine	12-Jul-89	27-Mar-90	Cummins Engine
4,914,268	Beam welding process	01-Jun-89	03-Apr-90	Cummins Engine
4,922,867	Valve stop mechanism for internal combustion engines	30-Aug-89	08-May-90	Cummins Engine
4,928,647	Dual acting-double breakover throttle lever	01-Nov-89	29-May-90	Cummins Engine
4,930,979	Compressors	09-May-88	05-Jun-90	Cummins Engine
4,934,344	Modified four stroke cycle and mechanism	03-May-89	19-Jun-90	Cummins Engine
4,942,930	Lubrication system for an earth boring drill bit and methods for filling and retrofit installing thereof	28-Feb-89	24-Jul-90	Cummins Engine
4,944,275	Fuel injector train with variable injection rate	10-Jul-89	31-Jul-90	Cummins Engine
4,947,814	Retractable throttle stop	14-Feb-89	14-Aug-90	Cummins Engine
4,955,337	High compression internal combustion engine	18-Dec-89	11-Sep-90	Cummins Engine
4,960,080	Pollution control apparatus and method for a turbodiesel motor-generator set	28-Feb-89	02-Oct-90	Cummins Engine
4,960,449	Ceramic particulate trap and method of making the same	28-Feb-89	02-Oct-90	Cummins Engine
4,962,743	Injection rate control cam	06-Jun-89	16-Oct-90	Cummins Engine
4,966,108	Sintered ceramic ball and socket joint assembly	28-Apr-89	30-Oct-90	Cummins Engine
4,971,016	Electronic controlled fuel supply system for high pressure injector	23-Sep-88	20-Nov-90	Cummins Engine
4,976,225	Cylinder head gasket for an internal combustion engine	11-Dec-89	11-Dec-90	Cummins Engine
4,979,473	Piston cooling nozzle	20-Oct-89	25-Dec-90	Cummins Engine
4,986,472	High pressure unit fuel injector with timing chamber pressure control	05-Sep-89	22-Jan-91	Cummins Engine
4,993,452	Low pressure check valve	22-Dec-89	19-Feb-91	Cummins Engine
4,996,967	Apparatus and method for generating a highly conductive channel for the flow of plasma current	21-Nov-89	05-Mar-91	Cummins Engine
5,002,022	Valve control system with a variable timing hydraulic link	30-Aug-89	26-Mar-91	Cummins Engine
5,009,435	Unitary sealing system with internal venting	15-Aug-89	23-Apr-91	Cummins Engine
5,011,079	Unit injector and drive train with improved push rod-plunger connection	16-Aug-90	30-Apr-91	Cummins Engine
5,014,509	Diesel engine white smoke control system	27-Dec-89	14-May-91	Cummins Engine

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5,014,549	Test apparatus for air intake manifold heater system	09-Feb-90	14-May-91	Cummins Engine
5,020,203	Fuel injector installation and removal tool for an internal combustion engine	29-Mar-90	04-Jun-91	Cummins Engine
5,024,200	Viscosity responsive pressure regulator and timing control tappet system incorporating the same	27-Jul-89	18-Jun-91	Cummins Engine
5,029,568	Injection rate control injector	01-Jan-90	09-Jul-91	Cummins Engine
5,029,759	Curved hole machining method and fuel injector formed thereby	17-Nov-89	09-Jul-91	Cummins Engine
5,033,426	Radial combustion seal	22-Aug-90	23-Jul-91	Cummins Engine
5,033,442	Fuel injector with multiple variable timing	19-Jan-89	23-Jul-91	Cummins Engine
5,037,031	Reduced trapped volume	25-Apr-90	06-Aug-91	Cummins Engine
5,040,507	Method and device for variable idle speed control of an internal combustion engine	07-Mar-90	20-Aug-91	Cummins Engine
5,040,727	Unit fuel injector with plunger minor diameter floating sleeve	19-Jul-90	20-Aug-91	Cummins Engine
5,042,132	Hydraulic cam bushing installation and removal tool	10-Jan-90	27-Aug-91	Cummins Engine
5,042,444	Device and method for altering the acoustic signature of an internal combustion engine	07-Mar-90	27-Aug-91	Cummins Engine
5,042,445	Electronic controlled fuel supply system for high pressure injector	24-Aug-90	27-Aug-91	Cummins Engine
5,042,721	Reduced gas flow open nozzle unit injector	19-Jul-90	27-Aug-91	Cummins Engine
5,046,745	Constant volume protective boot	15-Sep-88	10-Sep-91	Cummins Engine
5,052,178	Unitary hybrid exhaust system and method for reducing particulate emissions from internal combustion engines	08-Aug-89	01-Oct-91	Cummins Engine
5,063,736	Particulate filter trap load regeneration system	02-Aug-89	12-Nov-91	Cummins Engine
5,066,600	Multiple waste isolation system	19-May-89	19-Nov-91	Cummins Engine
5,067,464	Fuel injector for an internal combustion engine	29-Mar-90	26-Nov-91	Cummins Engine
5,070,832	Engine protection system	29-Mar-91	10-Dec-91	Cummins Engine
5,072,709	Fuel injection for an internal combustion engine	29-Mar-90	17-Dec-91	Cummins Engine
5,075,947	Flexible injector puller	29-Mar-90	31-Dec-91	Cummins Engine
5,076,236	Fuel cutoff for better transient control	19-Mar-90	31-Dec-91	Cummins Engine
5,076,240	Articulated open nozzle high pressure unit fuel injector	07-Jun-90	31-Dec-91	Cummins Engine
5,078,901	Automatic fuel decontamination system and method	13-Sep-89	07-Jan-92	Cummins Engine
5,082,479	Diesel particulate trap mounting system	16-Jul-90	21-Jan-92	Cummins Engine
5,092,299	Air fuel control for a PT fuel system	30-Nov-90	03-Mar-92	Cummins Engine
5,094,215	Solenoid controlled variable pressure injector	03-Oct-90	10-Mar-92	Cummins Engine

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5,094,397	Unit fuel injector with injection chamber spill valve	11-Feb-91	10-Mar-92	Cummins Engine
5,119,633	Power turbine bypass for improved compression braking	25-Sep-90	09-Jun-92	Cummins Engine
5,142,868	Turbocompound engine with power turbine bypass control	30-Nov-90	01-Sep-92	Cummins Engine
5,144,884	Two-part piston assembly device	17-Jul-90	08-Sep-92	Cummins Engine
5,150,572	Insulated exhaust port liner	21-Feb-91	29-Sep-92	Cummins Engine
5,152,144	Air to air heat exchanger internal bypass	26-Dec-91	06-Oct-92	Cummins Engine
5,159,815	Turbocharged internal combustion engine	15-Jul-91	03-Nov-92	Cummins Engine
5,159,911	Hot start open nozzle fuel injection systems	21-Jun-91	03-Nov-92	Cummins Engine
5,165,831	Capscrew head markings for torque-angle tightening	06-Oct-89	24-Nov-92	Cummins Engine
5,183,018	Master cylinder with two-piece master piston	24-Mar-92	02-Feb-93	Cummins Engine
5,192,026	Fuel injectors and methods for making fuel injectors	29-Mar-90	09-Mar-93	Cummins Engine
5,199,261	Internal combustion engine with turbocharger system	04-Aug-92	06-Apr-93	Cummins Engine
5,207,112	Ductile iron gear and casting process for the production thereof	28-Feb-92	04-May-93	Cummins Engine
5,209,403	High pressure unit fuel injector with timing chamber pressure control	12-Jul-91	11-May-93	Cummins Engine
5,216,798	Process for forming a balanced flywheel assembly	07-Feb-92	08-Jun-93	Cummins Engine
5,226,975	Plasma nitride chromium plated coating method	20-Mar-91	13-Jul-93	Cummins Engine
5,268,842	Electronic control of engine fuel injection based on engine duty cycle	03-Dec-90	07-Dec-93	Cummins Engine
5,275,337	High pressure limiting valve with fast response and fuel injector equipped therewith	15-Jun-92	04-Jan-94	Cummins Engine
5,277,162	Infinitely variable hydromechanical timing control	22-Jan-93	11-Jan-94	Cummins Engine
5,279,211	Mechanically retained wear-resistant ceramic pad	24-Apr-92	18-Jan-94	Cummins Engine
5,292,072	Fuel injectors and methods for making fuel injectors	15-Jul-93	08-Mar-94	Cummins Engine
5,295,300	Salvage method for turbocharger bearing housing	13-Jul-92	22-Mar-94	Cummins Engine
5,295,462	Coin insert for the firing deck in an internal combustion engine	16-Oct-92	22-Mar-94	Cummins Engine
5,299,738	High pressure fuel injector with cushioned plunger stop	16-Sep-92	05-Apr-94	Cummins Engine
5,301,875	Force balanced electronically controlled fuel injector	10-Jun-92	12-Apr-94	Cummins Engine
5,301,876	Unit injector with interchangeable subassembly for converting from open nozzle to closed nozzle operation	04-Nov-92	12-Apr-94	Cummins Engine

Patent Number	Title	File Date	Grant Date	Entity
5,303,681	Torsional tunable coupling for a diesel engine drive shaft	15-Mar-93	19-Apr-94	Cummins Engine
5,308,169	Bearing system for turbocharger	20-Nov-92	03-May-94	Cummins Engine
5,320,278	High pressure fuel injector with fuel drainage valve	26-Jul-93	14-Jun-94	Cummins Engine
5,321,582	Electronic component heat sink attachment using a low force spring	26-Apr-93	14-Jun-94	Cummins Engine
5,323,964	High pressure unit fuel injector having variable effective spill area	31-Mar-92	28-Jun-94	Cummins Engine
5,326,034	Compact closed nozzle assembly for a fuel injector	27-Jul-93	05-Jul-94	Cummins Engine
5,329,908	Compressed natural gas injection system for gaseous fueled engines	08-Jun-93	19-Jul-94	Cummins Engine
5,333,786	Fuel injection device for an internal combustion engine	03-Jun-93	02-Aug-94	Cummins Engine
5,335,852	Lubrication oil controlled unit injector	28-Jan-93	09-Aug-94	Cummins Engine
5,336,047	Self-sealing water pump seal	21-Oct-93	09-Aug-94	Cummins Engine
5,343,780	Variable power drivetrain engine control system	27-Jul-92	06-Sep-94	Cummins Engine
5,347,966	Speed-dependent air intake system and method for internal combustion engines	25-Jun-93	20-Sep-94	Cummins Engine
5,353,766	Distributor for a high pressure fuel system	08-Sep-93	11-Oct-94	Cummins Engine
5,372,114	Dampened pressure regulating and load cell tappet	29-Oct-93	13-Dec-94	Cummins Engine
5,377,636	Solenoid operated pump-line-nozzle fuel injection system and inline pump therefor	06-Aug-93	03-Jan-95	Cummins Engine
5,381,770	Breakover throttle lever	22-Sep-93	17-Jan-95	Cummins Engine
5,385,373	Tamper-evident, self-locking cover for mechanical connections and related objects	22-Mar-93	31-Jan-95	Cummins Engine
5,386,698	Control system and method for governing turbocharged internal combustion engines	13-Dec-93	07-Feb-95	Cummins Engine
5,386,809	Pressure relief valve for compression engine braking system	26-Oct-93	07-Feb-95	Cummins Engine
5,390,851	Solenoid operated unit fuel injector with supply line backflow pressure relief valve	21-Jan-94	21-Feb-95	Cummins Engine
5,392,642	System for detection of low power in at least one cylinder of a multi-cylinder engine	30-Jun-93	28-Feb-95	Cummins Engine
5,396,926	Force balanced three-way solenoid valve	17-Jun-94	14-Mar-95	Cummins Engine
5,402,313	Electronic component heat sink attachment using a canted coil spring	21-May-93	28-Mar-95	Cummins Engine
5,402,643	Flexible oil drain tube for turbocharger	10-Dec-93	04-Apr-95	Cummins Engine
5,404,855	Variable displacement high pressure pump for fuel injection systems	30-Jun-94	11-Apr-95	Cummins Engine
5,406,795	Exhaust manifold to turbine casing flanges	21-Jan-94	18-Apr-95	Cummins Engine

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5,409,165	Wear resistant fuel injector plunger assembly	14-Mar-94	25-Apr-95	Cummins Engine
5,410,995	Valve crosshead assembly with wear-reducing contact pad	15-Apr-94	02-May-95	Cummins Engine
5,411,003	Viscosity sensitive auxiliary circuit for hydromechanical control valve for timing control of tappet system	05-Apr-94	02-May-95	Cummins Engine
5,417,403	Captured ring and threaded armature solenoid valve	14-Jan-94	23-May-95	Cummins Engine
5,419,492	Force balanced electronically controlled fuel injector	10-Mar-94	30-May-95	Cummins Engine
5,423,301	Timing control valve for hydromechanical fuel system	17-Feb-94	13-Jun-95	Cummins Engine
5,429,086	Shared runner intake ports for I.C. engine	14-Feb-94	04-Jul-95	Cummins Engine
5,435,234	Mechanically retained wear-resistant ceramic pad	29-Oct-93	25-Jul-95	Cummins Engine
5,435,283	Swirl control system for varying in-cylinder swirl	07-Jan-94	25-Jul-95	Cummins Engine
5,435,286	Ball link assembly for vehicle engine drive trains	02-May-94	25-Jul-95	Cummins Engine
5,441,027	Individual timing and injection fuel metering system	10-Mar-94	15-Aug-95	Cummins Engine
5,442,920	Altitude compensation for spark-ignited turbocharged internal combustion engines	28-Mar-94	22-Aug-95	Cummins Engine
5,445,323	High pressure fuel injector including a trapped volume spill port	07-Nov-94	29-Aug-95	Cummins Engine
5,450,835	Oil separator for reducing oil losses from crankcase ventilation	15-Nov-94	19-Sep-95	Cummins Engine
5,452,693	Oil pan noise enclosure and attachment system for same	09-Dec-94	26-Sep-95	Cummins Engine
5,456,239	Crankcase ventilation system	27-Jul-94	10-Oct-95	Cummins Engine
5,459,360	Piston-mounted power generator, especially for telemetry systems	14-Jan-94	17-Oct-95	Cummins Engine
5,460,133	Solenoid operated pump-line-nozzle fuel injection system and inline pump therefor	19-Oct-94	24-Oct-95	Cummins Engine
5,467,963	Two-piece collet adjusting nut for a fuel injector solenoid valve	13-Apr-94	21-Nov-95	Cummins Engine
5,469,817	Turbulator for a liner cooling jacket	01-Sep-94	28-Nov-95	Cummins Engine
5,472,463	Pressure side integrated air filter and filtering networks for engines	14-Jun-94	12-Dec-95	Cummins Engine
5,474,041	Engine lubrication system with decreased power draw	28-Dec-94	12-Dec-95	Cummins Engine
5,477,821	Piston for internal combustion engine	05-Apr-95	26-Dec-95	Cummins Engine
5,477,824	Solenoid valve for compression-type engine retarder	14-Jul-94	26-Dec-95	Cummins Engine
5,479,886	Engine oil capacitor	12-May-95	02-Jan-96	Cummins Engine
5,482,013	Air intake heating and diagnostic system for internal combustion engines	23-Sep-94	09-Jan-96	Cummins Engine

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5,503,128	Distortion control ring for a fuel injector	28-Dec-94	02-Apr-96	Cummins Engine
5,518,030	Three-way flow valve with variable drain orifice area	12-Dec-94	21-May-96	Cummins Engine
5,522,760	Method of microdeburring a bore	22-Aug-94	04-Jun-96	Cummins Engine
5,529,028	Accessory control system for a vehicle	07-Jun-95	25-Jun-96	Cummins Engine
5,529,041	Active engine misfire detection system	09-May-95	25-Jun-96	Cummins Engine
5,531,196	Oil pan noise enclosure and attachment system for same	01-Sep-95	02-Jul-96	Cummins Engine
5,533,672	Dual event nozzle for low opening and high closing pressure injector	06-Sep-94	09-Jul-96	Cummins Engine
5,534,161	Automatic water drain and priming pump for fuel systems	16-Dec-94	09-Jul-96	Cummins Engine
5,538,403	High pressure pump for fuel injection systems	06-May-94	23-Jul-96	Cummins Engine
5,549,274	Ball guide for an electronically actuated control valve	20-Apr-94	27-Aug-96	Cummins Engine
5,555,862	Spark plug including magnetic field producing means for generating a variable length arc	19-Jul-94	17-Sep-96	Cummins Engine
5,558,066	Fuel system vibration damper	02-Feb-95	24-Sep-96	Cummins Engine
5,558,067	Double pulsing electronic unit injector solenoid valve to fill timing chamber before metering chamber	24-Aug-95	24-Sep-96	Cummins Engine
5,562,888	Nitrous oxide decomposition using a solid oxide solution	19-May-95	08-Oct-96	Cummins Engine
5,564,999	Method and apparatus for gear down operation prevention	07-Jun-95	15-Oct-96	Cummins Engine
5,566,658	Clamping load distributor and top stop for a fuel injector	21-Apr-95	22-Oct-96	Cummins Engine
5,572,972	Mechanical air-fuel control for feedback control of external devices	10-Feb-94	12-Nov-96	Cummins Engine
5,577,472	Spring-energized cylinder head combustion seal assembly	07-Jun-95	26-Nov-96	Cummins Engine
5,586,531	Engine retarder cycle	28-Nov-95	24-Dec-96	Cummins Engine
5,591,102	Apparatus and method for controlling a manual-automatic transmission after a power reset	07-Jun-95	07-Jan-97	Cummins Engine
5,596,969	Flow conditioning gas mass sensor	02-Oct-95	28-Jan-97	Cummins Engine
5,597,047	Radiator mounting for integrated power module	01-Nov-95	28-Jan-97	Cummins Engine
5,606,937	In-block cooling arrangement	17-Jan-96	04-Mar-97	Cummins Engine
5,607,106	Low inertia, wear-resistant valve for engine fuel injection systems	10-Aug-94	04-Mar-97	Cummins Engine
5,609,136	Model predictive control for HPI closed-loop fuel pressure control system	28-Jun-94	11-Mar-97	Cummins Engine
5,609,548	Apparatus and method for commanding a gear after an aborted shift attempt in controlling a manual-automatic transmission	07-Jun-95	11-Mar-97	Cummins Engine
5,611,203	Ejector pump enhanced high pressure EGR system	17-Oct-95	18-Mar-97	Cummins Engine

Patent Number	Title	File Date	Grant Date	Entity
5,611,204	EGR and blow-by flow system for highly turbocharged diesel engines	27-Jun-96	18-Mar-97	Cummins Engine
5,611,317	Open nozzle fuel injector having drive train wear compensation	09-Aug-95	18-Mar-97	Cummins Engine
5,617,726	Cooled exhaust gas recirculation system with load and ambient bypasses	31-Mar-95	08-Apr-97	Cummins Engine
5,619,412	Remote control of engine idling time	19-Oct-94	08-Apr-97	Cummins Engine
5,619,959	Spark plug including magnetic field producing means for generating a variable length arc	30-Jan-96	15-Apr-97	Cummins Engine
5,619,969	Fuel injection rate shaping control system	28-Nov-95	15-Apr-97	Cummins Engine
5,621,160	Apparatus and method for determining start of injection in a fuel injected internal combustion engine	01-Apr-96	15-Apr-97	Cummins Engine
5,623,835	System for controlling air flow to a vehicle air conditioning unit	31-Aug-95	29-Apr-97	Cummins Engine
5,626,116	Dedicated rocker lever and cam assembly for a compression braking system	28-Nov-95	06-May-97	Cummins Engine
5,626,325	High pressure control valve for a fuel injection system	14-Sep-95	06-May-97	Cummins Engine
5,630,398	Stepped rotation fuel distribution valve	05-Jun-96	20-May-97	Cummins Engine
5,634,446	Cruise control based retarder control	01-Sep-95	03-Jun-97	Cummins Engine
5,636,600	Rocker lever assembly for internal combustion engine	31-Oct-95	10-Jun-97	Cummins Engine
5,638,271	Apparatus and method for assisting gear engagement in controlling the automatic shifting of a manual-automatic transmission	04-Jan-95	10-Jun-97	Cummins Engine
5,647,536	Injection rate shaping nozzle assembly for a fuel injector	23-Jan-95	15-Jul-97	Cummins Engine
5,649,505	Multiple-hole, piston cooling nozzle and assembly arrangement therefore	18-Jan-96	22-Jul-97	Cummins Engine
5,666,913	Variable timing cam follower lever assembly	29-May-96	16-Sep-97	Cummins Engine
5,669,285	Spherical joint connecting rod holder rings	07-Feb-96	23-Sep-97	Cummins Engine
5,671,707	Rocker level oil shroud	28-Feb-96	30-Sep-97	Cummins Engine
5,673,853	Electromagnetic fuel injector control valve	13-Sep-95	07-Oct-97	Cummins Engine
5,676,114	Needle controlled fuel system with cyclic pressure generation	25-Jul-96	14-Oct-97	Cummins Engine
5,678,521	System and methods for electronic control of an accumulator fuel system	17-Apr-96	21-Oct-97	Cummins Engine
5,680,309	Control system for automatic resumption of speed control after gear change	07-Jun-95	21-Oct-97	Cummins Engine
5,680,954	Oil fill cap	16-Jan-96	28-Oct-97	Cummins Engine
5,685,267	Spherical joint connecting rod	07-Feb-96	11-Nov-97	Cummins Engine
5,687,687	Oil level sensor system	07-Jun-95	18-Nov-97	Cummins Engine

Patent Number	Title	File Date	Grant Date	Entity
5,697,345	Clamping load distributor for a fuel injector	28-Dec-94	16-Dec-97	Cummins Engine
5,706,199	System for controlling engine speed in response to detection of vehicle speed signal tampering	17-Jul-95	06-Jan-98	Cummins Engine
5,706,786	Distortion reducing load ring for a fuel injector	28-Dec-94	13-Jan-98	Cummins Engine
5,713,129	Method of manufacturing coated piston ring	16-May-96	03-Feb-98	Cummins Engine
5,713,333	Wear-resistant fuel distributor rotor	21-Oct-96	03-Feb-98	Cummins Engine
5,713,335	Variable injection timing and injection pressure control arrangement	06-Jun-96	03-Feb-98	Cummins Engine
5,713,340	System for fueling an internal combustion engine with low and high pressure gaseous fuel	12-Jun-96	03-Feb-98	Cummins Engine
5,715,788	Integrated fuel injector and ignitor assembly	29-Jul-96	10-Feb-98	Cummins Engine
5,720,248	Torsional tunable coupling for a diesel engine drive shaft	29-Nov-95	24-Feb-98	Cummins Engine
5,732,688	System for controlling recirculated exhaust gas temperature in an internal combustion engine	11-Dec-96	31-Mar-98	Cummins Engine
5,735,242	Fuel pressure activated engine compression braking system	17-Apr-96	07-Apr-98	Cummins Engine
5,738,606	Control system for regulating output torque of an internal combustion engine	30-Sep-96	14-Apr-98	Cummins Engine
5,749,339	Electronically controlled continuous lubricating oil replacement system	28-Feb-96	12-May-98	Cummins Engine
5,752,482	System for integrally controlling current flow through number of inductive loads	28-Mar-97	19-May-98	Cummins Engine
5,752,489	Integrated fuel measurement and control system for gaseous fuels	10-Feb-97	19-May-98	Cummins Engine
5,755,101	Electronic turbocharger wastegate controller	28-Mar-96	26-May-98	Cummins Engine
5,765,272	Piston ring compressor	07-Aug-95	16-Jun-98	Cummins Engine
5,765,282	Internal combustion engine cylinder head method of manufacture	26-Jun-96	16-Jun-98	Cummins Engine
5,765,532	Cylinder pressure based air-fuel ratio and engine control	27-Dec-96	16-Jun-98	Cummins Engine
5,765,755	Injection rate shaping nozzle assembly for a fuel injector	23-Jan-97	16-Jun-98	Cummins Engine
5,769,319	Injection rate shaping nozzle assembly for a fuel injector	14-Mar-97	23-Jun-98	Cummins Engine
5,771,861	Apparatus and method for accurately controlling fuel injection flow rate	01-Jul-96	30-Jun-98	Cummins Engine
5,775,203	High pressure fuel pump assembly	28-Jan-97	07-Jul-98	Cummins Engine
5,775,293	Electronic throttle pedal nonlinear filter	01-Oct-96	07-Jul-98	Cummins Engine
5,775,303	High Pressure Fuel Line Connection	30-Jun-95	07-Jul-98	Cummins Engine
5,778,841	Camshaft for internal combustion engines	26-Feb-97	14-Jul-98	Cummins Engine
5,797,364	Top trough cam roller pin	01-Nov-96	25-Aug-98	Cummins Engine

Patent Number	Title	File Date	Grant Date	Entity
5,806,499	Dedicated overhead cam shaft for unit injector	18-Mar-97	15-Sep-98	Cummins Engine
5,812,375	Electronic assembly for selective heat sinking and two-sided component attachment	06-May-96	22-Sep-98	Cummins Engine
5,816,710	Engine block bearing saddle reinforcing inserts	01-Jul-97	06-Oct-98	Cummins Engine
5,819,704	Needle controlled fuel system with cyclic pressure generation	30-Jul-97	13-Oct-98	Cummins Engine
5,826,331	Method for the production of a fracture split connection component	04-Dec-96	27-Oct-98	Cummins Engine
5,828,297	Vehicle anti-theft system	25-Jun-97	27-Oct-98	Cummins Engine
5,829,411	Wear-resistant fuel distributor rotor	29-Sep-97	03-Nov-98	Cummins Engine
5,839,352	Articulated piston	07-Aug-96	24-Nov-98	Cummins Engine
5,842,458	Spark plug boot with ventable seal	12-Aug-97	01-Dec-98	Cummins Engine
5,844,430	Controllable signal conditioning circuit	21-May-96	01-Dec-98	Cummins Engine
5,845,397	Static timing method for heavy duty diesel engines	21-Feb-97	08-Dec-98	Cummins Engine
5,845,623	Variable volume chamber device for preventing leakage in an open nozzle injector	13-Aug-97	08-Dec-98	Cummins Engine
RE36,007	Method and apparatus for control of engine compression brakes before during and after an electronically controlled gear shift	21-Nov-96	22-Dec-98	Cummins Engine
5,855,397	High-pressure sealable connector for a pressure sensor	02-Apr-97	05-Jan-99	Cummins Engine
5,860,597	Injection rate shaping nozzle assembly for a fuel injector	24-Mar-97	19-Jan-99	Cummins Engine
5,868,112	Deep angle injection nozzle and piston having complementary combustion bowl	19-Dec-96	09-Feb-99	Cummins Engine
5,868,214	Cruise control governor using optimal droop selection logic	29-Aug-95	09-Feb-99	Cummins Engine
5,870,928	Anti-lash gear with alignment device	08-May-97	16-Feb-99	Cummins Engine
5,875,752	Engine drive train having a front gear train with improved torsional dynamics	16-Jun-97	02-Mar-99	Cummins Engine
5,877,545	Encapsulated printed circuit assembly and method and manufacturing the	21-Mar-97	02-Mar-99	Cummins Engine
5,878,717	Cylinder pressure based air-fuel ratio and engine control	20-Mar-98	09-Mar-99	Cummins Engine
5,880,674	System for processing output signals associated with multiple vehicle	12-May-97	09-Mar-99	Cummins Engine
5,881,688	Electronically controlled continuous lubricating oil replacement system	14-Jan-98	16-Mar-99	Cummins Engine
5,882,013	Integrated gear housing/air compressor gasket	15-Sep-97	16-Mar-99	Cummins Engine
5,882,181	Barring adaptor for an engine air compressor	01-Oct-96	16-Mar-99	Cummins Engine
5,884,611	Effervescent injector for diesel engines	14-Oct-97	23-Mar-99	Cummins Engine
5,884,848	Fuel injector with piezoelectric and hydraulically actuated needle valve	09-May-97	23-Mar-99	Cummins Engine

Patent Number	Title	File Date	Grant Date	Entity
5,890,470	Constant horsepower throttle progression control system and method	13-Aug-97	06-Apr-99	Cummins Engine
RE36,186	Method and device for controlling critical switch failure and neutral conditions	08-Oct-96	06-Apr-99	Cummins Engine
5,894,991	Unit injector with hard stop timing plunger	22-Aug-97	20-Apr-99	Cummins Engine
5,894,992	Hydraulically actuated fuel injector with injection rate shaping pressure	18-Jul-96	20-Apr-99	Cummins Engine
5,899,136	Low leakage plunger and barrel assembly for high pressure fluid system	18-Dec-96	04-May-99	Cummins Engine
5,899,383	Ceramic fuel injector timing plunger	20-Feb-97	04-May-99	Cummins Engine
5,899,389	Two stage fuel injector nozzle assembly	02-Jun-97	04-May-99	Cummins Engine
5,900,541	Sensor assembly for easy removal	14-Jul-97	04-May-99	Cummins Engine
5,904,131	Internal combustion engine with air/fuel ratio control	28-Dec-95	18-May-99	Cummins Engine
5,908,475	Gas/air mixer	02-Jan-96	01-Jun-99	Cummins Engine
5,911,772	Apparatus and method for minimizing transient filter effects on speed signal	14-Nov-97	15-Jun-99	Cummins Engine
5,913,239	Mass flow measurement device	17-Jun-97	15-Jun-99	Cummins Engine
5,918,630	Pin-within-a-sleeve three-way solenoid valve with side load reduction	22-Jan-98	06-Jul-99	Cummins Engine
5,921,883	System for managing engine retarding torque during coast mode operation	18-May-98	13-Jul-99	Cummins Engine
5,928,065	Centerless grinding machine with optimal regulating wheel truing and dressing	09-Feb-98	27-Jul-99	Cummins Engine
5,934,174	Lightweight articulated piston head and method of making the piston head	02-Oct-98	10-Aug-99	Cummins Engine
5,934,254	Top stop assembly for a fuel injector	27-Mar-98	10-Aug-99	Cummins Engine
5,937,807	Early exhaust valve opening control system and method	30-Mar-98	17-Aug-99	Cummins Engine
5,937,812	Camshaft for internal combustion engines	18-Dec-97	17-Aug-99	Cummins Engine
5,937,826	Apparatus for controlling a fuel system of an internal combustion engine	02-Mar-98	17-Aug-99	Cummins Engine
5,938,716	System for customizing vehicle engine control computer operation	08-Sep-97	17-Aug-99	Cummins Engine
5,941,915	System for providing accurately time stamped vehicle operational messages	18-Feb-97	24-Aug-99	Cummins Engine
5,944,002	Self-venting grommet for coil-on-plug	17-Apr-98	31-Aug-99	Cummins Engine
5,947,442	Solenoid actuated valve assembly	10-Sep-97	07-Sep-99	Cummins Engine
5,949,146	Control technique for a lean burning engine system	02-Jul-97	07-Sep-99	Cummins Engine
5,951,260	System and method for electronic air compressor control	01-May-97	14-Sep-99	Cummins Engine
5,954,029	Unit fuel injector having constant start of injection	25-Jan-95	21-Sep-99	Cummins Engine
5,954,038	Combustion face insert	02-Sep-97	21-Sep-99	Cummins Engine
5,954,617	System for controlling internal combustion engine performance in accordance	31-Jan-97	21-Sep-99	Cummins Engine

Patent Number	Title	File Date	Grant Date	Entity
5,957,116	Integrated and separable EGR distribution manifold	28-Aug-97	28-Sep-99	Cummins Engine
5,958,237	Fuel filter and water separator apparatus with integrated fuel pump	19-Feb-97	28-Sep-99	Cummins Engine
5,960,772	Apparatus and method for knock detection in internal combustion engines	08-Jun-98	05-Oct-99	Cummins Engine
5,965,806	Engine crankshaft sensing system	06-Nov-97	12-Oct-99	Cummins Engine
5,968,107	System and method for engine parameter trending	31-Oct-97	19-Oct-99	Cummins Engine
5,970,942	Electronically controlled continuous lubricating oil replacement system	27-Feb-98	26-Oct-99	Cummins Engine
5,971,888	Method and apparatus for controlling engine speed during power take-off	02-Mar-98	26-Oct-99	Cummins Engine
5,975,060	Dedicated overhead cam shaft for unit injector	20-Jan-98	02-Nov-99	Cummins Engine
5,979,259	Gear train assembly including a scissor gear	08-May-97	09-Nov-99	Cummins Engine
5,979,260	Anti-lash gear assembly	08-May-97	09-Nov-99	Cummins Engine
5,979,374	Control cooled cylinder liner	12-Jun-98	09-Nov-99	Cummins Engine
5,979,407	Passive and active misfire diagnosis for internal combustion engines	01-Jun-98	09-Nov-99	Cummins Engine
5,979,789	Fuel injector with internal component load protection	26-Nov-97	09-Nov-99	Cummins Engine
5,979,803	Fuel injector with pressure balanced needle valve	26-Sep-97	09-Nov-99	Cummins Engine
5,983,156	System for controlling engine fueling according to vehicle location	03-Sep-97	09-Nov-99	Cummins Engine
5,983,863	Compact high performance fuel system with accumulator	16-Jun-95	16-Nov-99	Cummins Engine
5,983,876	System and method for detecting and correcting cylinder bank imbalance	02-Mar-98	16-Nov-99	Cummins Engine
5,988,265	Fuel cooler and coolant filter assembly	17-Feb-98	23-Nov-99	Cummins Engine
5,997,260	Air compressor engine barring adaptor	28-Dec-98	07-Dec-99	Cummins Engine
5,999,876	Method and system for communication with an engine control module in sleep mode	01-Apr-98	07-Dec-99	Cummins Engine
6,002,980	System and method for engine cylinder power diagnosis by cylinder(s) cut-off snap throttle engine acceleration tests	14-Nov-97	14-Dec-99	Cummins Engine
6,003,396	System for controlling downshift points of automatically selectable transmission gears	20-Apr-98	21-Dec-99	Cummins Engine
6,006,154	System and method for cylinder power imbalance prognostics and diagnostics	02-Mar-98	21-Dec-99	Cummins Engine
6,006,156	Apparatus and method for diagnosing and controlling an ignition system of an internal combustion engine	11-Dec-97	21-Dec-99	Cummins Engine
6,009,372	Management of programming and memory space for an internal combustion engine control system	01-Oct-97	28-Dec-99	Cummins Engine
6,016,045	Real-time clock back-up battery	03-Feb-99	18-Jan-00	Cummins Engine

Patent Number	Title	File Date	Grant Date	Entity
6,019,086	Redundant sensor apparatus for determining engine speed and timing values	28-May-98	01-Feb-00	Cummins Engine
6,021,370	Vehicle/engine acceleration rate management system	05-Aug-97	01-Feb-00	Cummins Engine
6,021,758	Method and apparatus for engine cylinder balancing using sensed engine speed	26-Nov-97	08-Feb-00	Cummins Engine
6,027,046	Pinned injector assembly	27-Mar-98	22-Feb-00	Cummins Engine
6,029,902	Fuel injector with isolated spring chamber	26-Mar-98	29-Feb-00	Cummins Engine
6,029,913	Swirl tip injector nozzle	01-Sep-98	29-Feb-00	Cummins Engine
6,030,277	High infeed rate method for grinding ceramic workpieces with silicon carbide grinding wheels	30-Sep-97	29-Feb-00	Cummins Engine
6,031,707	Method and apparatus for control of current rise time during multiple fuel injector events	23-Feb-98	29-Feb-00	Cummins Engine
6,035,838	Controlled energy ignition system for an internal combustion engine	20-Apr-98	14-Mar-00	Cummins Engine
6,036,194	Combustion gas seal for an internal combustion engine	03-Sep-97	14-Mar-00	Cummins Engine
6,036,449	Air compressor control	24-Mar-98	14-Mar-00	Cummins Engine
6,041,765	Internal combustion engine with air/fuel ratio control	04-Mar-99	28-Mar-00	Cummins Engine
6,042,505	System for controlling operation of an internal combustion engine	18-Jun-98	28-Mar-00	Cummins Engine
6,044,809	Method for controlling a vehicle engine coolant fan	08-Jan-98	04-Apr-00	Cummins Engine
6,044,821	Durable cylinder liner and method of making the liner	19-Nov-98	04-Apr-00	Cummins Engine
6,045,120	Flow balanced spill control valve	13-Jan-98	04-Apr-00	Cummins Engine
6,045,140	Retention gasket with cooperating cover	11-Jul-97	04-Apr-00	Cummins Engine
6,045,482	System for controlling air flow to a cooling system of an internal combustion engine	02-Mar-98	04-Apr-00	Cummins Engine
6,053,147	Apparatus and method for diagnosing erratic pressure sensor operation in a fuel system of an internal combustion engine	02-Mar-98	25-Apr-00	Cummins Engine
6,055,852	Method and apparatus for estimation of relative cylinder compression balance by cranking speed analysis	06-Nov-98	02-May-00	Cummins Engine
6,056,264	Solenoid actuated flow control valve assembly	19-Nov-98	02-May-00	Cummins Engine
6,058,910	Rotary distributor for a high pressure fuel system	18-Apr-98	09-May-00	Cummins Engine
6,062,197	Hybrid power governor	15-Jun-98	16-May-00	Cummins Engine
6,062,535	Exhaust gas recirculation valve with variable flow area	12-Feb-97	16-May-00	Cummins Engine

Patent Number	Title	File Date	Grant Date	Entity
6,065,448	Dual throttle control to a single throttle input	17-Jul-98	23-May-00	Cummins Engine
6,067,946	Dual-pressure hydraulic valve-actuation system	16-Dec-96	30-May-00	Cummins Engine
6,076,504	Apparatus for diagnosing failures and fault conditions in a fuel system of an internal combustion engine	02-Mar-98	20-Jun-00	Cummins Engine
6,076,507	Pump system for preventing hot start knock in a diesel engine	28-Aug-98	20-Jun-00	Cummins Engine
6,076,971	Engine block bearing saddle reinforcing inserts	15-Sep-98	20-Jun-00	Cummins Engine
6,078,873	Method and apparatus for real-time data stamping via datalink and volatile ECM timer/clock	02-Oct-97	20-Jun-00	Cummins Engine
6,079,380	Electronically controlled lubricating oil and fuel blending system	02-Oct-98	27-Jun-00	Cummins Engine
6,082,322	Electronically controlled continuous lubricating oil replacement system	23-Dec-98	04-Jul-00	Cummins Engine
6,085,144	Apparatus and method for diagnosing and controlling an ignition system of an internal combustion engine	23-Apr-99	04-Jul-00	Cummins Engine
6,085,725	Throttle control response selection system	21-May-99	11-Jul-00	Cummins Engine
6,089,207	Throttle control response selection system	18-Sep-98	18-Jul-00	Cummins Engine
6,098,595	Intake port injection system with shared injectors	17-Aug-98	08-Aug-00	Cummins Engine
6,101,442	System and method for detecting a valve-related fault condition for an internal combustion engine	17-Dec-98	08-Aug-00	Cummins Engine
6,105,555	Turbocharged internal combustion engine with system and method for enhancing turbocharger power	01-Apr-99	29-Aug-00	Cummins Engine
6,109,129	Apparatus and method for adjusting a gear	04-Nov-98	29-Aug-00	Cummins Engine
6,109,542	Servo-controlled fuel injector with leakage limiting device	21-Sep-98	29-Aug-00	Cummins Engine
6,112,148	System and method for controlling diagnostic annunciators	18-Dec-98	29-Aug-00	Cummins Engine
6,112,722	Fuel injector seat assembly with positive contact seal between fuel injector sleeve and cylinder head	19-Jun-98	05-Sep-00	Cummins Engine
6,113,474	Constant force truing and dressing apparatus and method	01-Oct-97	05-Sep-00	Cummins Engine
6,116,198	Replaceable cylinder liner with improved cooling	21-Jul-97	12-Sep-00	Cummins Engine
6,116,273	Fuel metering check valve arrangement for a time-pressure controlled unit fuel injector	08-Dec-97	12-Sep-00	Cummins Engine
6,123,061	Crankcase ventilation system	25-Feb-97	26-Sep-00	Cummins Engine

Patent Number	Title	File Date	Grant Date	Entity
6,123,144	Integrated heat exchanger and expansion tank	15-Apr-97	26-Sep-00	Cummins Engine
6,127,046	Formation of a graphite-free surface in a ferrous material to produce an improved intermetallic bond	04-Dec-97	03-Oct-00	Cummins Engine
6,131,547	Electronic engine speed and position apparatus for camshaft gear applications	27-Feb-98	17-Oct-00	Cummins Engine
6,131,555	System for controlling ignition energy of an internal combustion engine	09-Jun-99	17-Oct-00	Cummins Engine
6,134,499	System for controlling road speed of a vehicle driven by an internal combustion engine	29-May-98	17-Oct-00	Cummins Engine
6,135,918	System for controlling operation of an internal combustion engine	20-May-99	24-Oct-00	Cummins Engine

BILL OF ASSIGNMENT

Made this 1st day of October 2000, from Cummins Engine Company, Inc., a Indiana corporation ("Seller"), to Cummins Engine IP, Inc., a Delaware corporation ("Buyer").

WHEREAS, Seller wishes to better manage its intellectual property and to enhance the value of its trademarks, service marks, patents, trade secrets and other intellectual property,

WITNESSETH:

FOR AND IN CONSIDERATION OF One Hundred shares of Buyer's Common Stock, Seller has agreed to transfer unto Buyer those assets listed in Attachment A and Attachment B hereto (the "Acquired Assets").

NOW, THEREFORE, KNOW ALL PERSONS BY THESE PRESENTS, that for and in consideration of the premises and other good and valuable consideration to it in hand paid, the receipt and sufficiently of which is hereby acknowledged, Seller has conveyed, granted, sold, transferred, assigned, and set over, and by these presents does hereby grant, sell, convey, transfer, assign and set over to Buyer, its successors and assigns, TO HAVE AND TO HOLD FOREVER, including, without limitation, all right, title and interest of Seller in and to the Acquired Assets.


The foregoing transfer is made upon the following express conditions:

Indemnification: Buyer agrees to indemnify and hold Seller harmless from and against any claims arising from Buyer's ownership or use of the Acquired Assets.

As-Is: The Acquired Assets are sold on the basis of as-is-where-in.

IN WITNESS WHEREOF, Seller and Buyer have executed this instrument on the date and year first set forth above.

CUMMINS ENGINE COMPANY, INC.

By: 
Mark R. Gerstle
Vice President - Cummins
Business Services, General
Counsel and Secretary

CUMMINS ENGINE IP, INC.

By: 
Paul H. Plahn
President