



US Patents

Cam Followers		
Country	Patent No.	Title
US	10,274,013	CAM FOLLOWER WITH TIRE HAVING AXIAL MOVEMENT MITIGATION FEATURES
US	8,991,351	NEEDLE ROLLER CAM FOLLOWER FOR HIGHER MILEAGE APPLICATIONS OF LIGHT, MEDIUM AND HEAVY DUTY VEHICLES
US	10,697,493	CAM FOLLOWER WITH MULTIPLE ROWS OF INDEPENDENTLY OPERATING BEARINGS
US	9,835,123	ROLLER FOR A FUEL PUMP ACTUATOR
US	10,167,896	Triple Row Yoke Roller Assembly
US	10,731,743	CAM FOLLOWER AND YOKE ROLLER ASSEMBLIES
US	10,458,468	CAM FOLLOWER FOR HIGH THRUST LOAD APPLICATIONS
US	10,801,546	Ball Bearing Cam Follower for an Adjustable Aircraft Seat
US	11,306,807	Maintenance Free Extended Life Cam Follower for a Necker Machine
Other Patents May Be Pending		

Collets and Tool Holders		
Country	Patent No.	Title
US	9,248,508	ADJUSTABLE CLAMPING DEVICE
US	9999931	Locking Mechanism for a Collet Assembly and Collet Assembly Including a Locking Mechanism
US	10639726	FLEXIBLE COUPLING FOR ATTACHING A COLLET TO A DRAW BAR
US	11033971	CLAMPING DEVICE FOR HOLDING A COLLET
US	11179783	Quick changeable collet clamping assembly
Other Patents May Be Pending		

Duct Couplings		
Country	Patent No.	Title
US	10625871	Dynamic Movement Tube Connection System
US	6880863	Flexible Coupling for Gas Conduits
US	6905144	Spring-Loaded 'L'-Shaped Seal Ring
US	7,883,094	Offset Stacked Sealing System
Other Patents May Be Pending		

Elastomeric Bearings		
Country	Patent No.	Title
Other Patents May Be Pending		

Fasteners

Country	Patent No.	Title
US	10882553	Kingpin with a Torque Receiving Configuration
US	11300147	Sleeves for interference fasteners

Other Patents May Be Pending

Hydraulics

Country	Patent No.	Title
US	11111936	Piston assembly having reduced extend force and reduced displacement volume

Other Patents May Be Pending

Plain Journal Bearings

Country	Patent No.	Title
US	7828482	Tungsten Carbide Enhanced Bearing
US	8,038,351	SELF-LUBRICATED BEARING ASSEMBLY
US	8,033,389	CONVEYOR CHAIN HAVING A LOW FRICTION LINER
US	10718375	BEARING SYSTEM WITH SELF-LUBRICATION FEATURES, SEALS, GROOVES AND SLOTS FOR MAINTENANCE-FREE OPERATION

Other Patents May Be Pending

Plain Bearings

Country	Patent No.	Title
US	8,764,034	STEERING AXLE ASSEMBLY WITH SELF-LUBRICATED BEARINGS
US	9856910	SELF-LUBRICATED THRUST BEARING FOR A HINGED AIRCRAFT WING
US	11353002	Multi segment wind turbine blade joint bushing
US	6799895	CARTRIDGE-TYPE THRUST BEARING

Other Patents May Be Pending

Rods

Country	Patent No.	Title
US	9909613	COMPRESSION ROD HAVING A BUCKLING INITIATING FEATURE
US	9841048	ROTATION ROD ASSEMBLY WITH SELF LUBRICATING LINER OR GROOVED BUSHINGS

Other Patents May Be Pending

Rolling Element Bearings

Country	Patent No.	Title
US	7007787	HIGH ENDURANCE HIGH CAPACITY BALL TRANSFER UNIT
US	8,021,053	ROTARY WING AIRCRAFT BALL BEARING
US	8,215,845	TANDEM STACK ANGULAR CONTACT BEARING FOR ROTARY WING AIRCRAFT
US	8690446	Thermally Stable Bearings
US	8,104,779	BEARING FOR FOLLOWER OR CAM
US	8,132,964	BEARING FOR FOLLOWER OR CAM
US	8,033,736	SWASHPLATE BEARING ASSEMBLY WITH ENHANCED ALLOYS
US	7703746	Ground-Based Power Generator with Ball-Roller Bearing Butterfly Valve
US	8651810	Ball Bearing and Pump for Cryogenic Use
US	9,599,151	DOUBLE ROW PRELOADED BALL BEARING WITH SPACER BALLS
US	9033587	CAGE FOR A ROLLER BEARING AND A METHOD OF MANUFACTURING
US	9,303,689	Non-Rhythmically Spaced Rolling Elements for Reduction in Bearing Non-Repeatable Run-Out
US	9,227,720	Composite Annular Seal Assembly for Bearings in Aircraft
US	9,453,531	Integrated Bearing Assemblies for Guided Attack Rockets
US	9,695,875	Top Drive Bearing Made of Non-Vacuum Arc Remelted Steel
US	10077808	ROLLER PROFILE FOR HOURGLASS ROLLER BEARINGS IN AIRCRAFT
US	10012265	CORROSION RESISTANT BEARING
US	9890814	PRONG CAGE FOR A DOUBLE-ROW CONCAVE ROLLER BEARING FOR THE SUPPORT STRUCTURE OF A FLAP AT THE REAR OF AN AIRCRAFT WING
US	9,561,845	SUPPORT STRUCTURE OF A FLAP AT THE REAR OF AN AIRCRAFT WING WITH DOUBLE-ROW CONCAVE ROLLER BEARING
US	10082179	Seal for Self Aligning Roller Bearing
US	11149788	HYBRID BEARING ASSEMBLY WITH ROLLING ELEMENTS AND PLAIN BEARING
US	9109623	Integrated cartridge double-row ball bearing for a nuclear reactor control rod drive mechanism
US	11274699	Double Row Needle Track Roller Bearing with a Thrust Load Carrying Ball Bearing
US	10767688	Bearing system for an articulating motor device
US	10837488	Roller bearing assembly for use in a fracking pump crank shaft
US	10738825	Double row tapered roller bearing assembly having a two-piece outer ring

Other Patents May Be Pending

Self Lubricated Liners

Country	Patent No.	Title
US	8,034,865	Self-Lubricating Surface Coating Composition for Low Friction or Soft Substrate Applications
US	8741996	Self-Lubricating Surface Coating Composition for Low Friction or Soft Substrate Applications
US	8735481	Self-Lubricating Surface Coating Composition for Low Friction or Soft Substrate Applications
US	9919502	Method and Apparatus for Preparing a Surface for Bonding a Material Thereto
US	9982768	Self Lubricating Cam Follower Assembly
US	11299654	Permanent, self-adhering, self-lubricating, anti-wear composite system
US	10161448	SELF-LUBRICATING COMPOSITE BEARING PAD FOR A RAILWAY TRUCK

Other Patents May Be Pending

Spherical Plain Bearings

Country	Patent No.	Title
US	8,926,185	SPHERICAL PLAIN BEARING WITH LUBRICATION GROOVE
US	8,079,607	SPHERICAL BEARING FOR A STEERING JOINT
US	9,261,132	LOW FRICTION BEARING ASSEMBLY AND LINK APPARATUS
US	8721184	COMBINATION SPLIT OUTER RING AND SEAL RETENTION METHOD FOR SPHERICAL PLAIN BEARINGS
US	9,316,257	Spherical bearing with sealing member, method of sealing a spherical bearing and steering assembly comprising said bearing
US	8,783,953	LOW FRICTION SEAL FOR BEARINGS
US	8,876,390	SLOTTED BEARINGS WITH WEAR-RESISTANT TREATMENTS FOR GEARBOX MOUNTING IN A GEARED TURBOFAN ENGINE
US	9,221,475	SELF LUBRICATED SPHERICAL TRANSOM BEARING
US	9,157,480	TWO STAGE SEAL FOR A BEARING ASSEMBLY
US	9371861	Swaged Bearing Assembly with a Flange Mounted Thereon
US	9702411	Bearing Assembly with Split Outer Ring Having Interference Fit Tabs and Method of Assembly of Bearing
US	10208658	TURBOCHARGER WASTEGATE ACTUATOR HIGH TEMPERATURE ROD END WITH A SPHERICAL BEARING AND A METHOD FOR OPERATING THE ACTUATOR
US	9958011	BEARING ASSEMBLY HAVING SURFACE PROTRUSIONS AND A SEAL
US	9,562,567	SPHERICAL BEARING WITH AXIALLY COMPRESSED ANNULAR SEAL
US	10393179	A VARIABLE FIXED INSTALLATION TORQUE BEARING
US	9,482,269	System for Isolating Electrical Current in a Bearing for Use in an Aircraft Structure
US	9829044	SPHERICAL BEARING WITH ANNULAR SEAL HAVING AN AUXILIARY SEAL LEG EXTENDING THEREFROM
US	10520012	A Rod End Having Wear Mitigation Features for an Augmenter Nozzle on a Jet Engine Turbine
US	9926972	SPHEROIDIAL JOINT FOR COLUMN SUPPORT IN A TUNED MASS DAMPER SYSTEM
US	10487878	Multiple Stage Seal for a Bearing Assembly
US	10655733	Elastomeric Seal Having Impact Protecting Protrusions

US	10480569	HYBRID LINED TRUNNION BEARING FOR AIRCRAFT LANDING GEAR
US	10598219	BEARING AND SEALING ARRANGEMENT FOR A HAUL TRUCK ARTICULATED JOINT
US	10788073	Rapid Movement Loader Slot Bearing Suitable for Use on Munitions Deployment Structures
US	10724575	HYBRID LINED TRUNNION BEARING FOR AIRCRAFT LANDING GEAR
US	11441604	Rapid movement loader slot bearing suitable for use on munitions deployment structures
US	11391323	Spherical plain bearing for dampers
US	11009063	Spherical plain bearing for dampers
Other Patents May Be Pending		

Track Roller Bearings		
Country	Patent No.	Title
US	8,025,257	ACTUATION SYSTEM FOR A LIFT ASSISTING DEVICE AND ROLLER BEARINGS USED THEREIN
US	8387924	ACTUATION SYSTEM FOR A LIFT ASSISTING DEVICE AND ROLLER BEARINGS USED THEREIN
US	10023302	ACTUATION SYSTEM FOR A LIFT ASSISTING DEVICE AND ROLLER BEARINGS USED THEREIN
US	8,851,755	SELF-ALIGNING TRACK ROLLER BEARING
US	10400818	SPLIT INNER OR OUTER RACE ROLLER BEARING WITH ROLLING ELEMENTS
US	10443650	A TWO PART SEAL FOR A TRACK ROLLER BEARING
Other Patents May Be Pending		

Valves		
Country	Patent No.	Title
US	11028928	Interflow limiting valve assembly
Other Patents May Be Pending		

Couplings

Country	Patent No.	Title
US	11226010	Flexible Sleeve Coupling Radial Tooth Support Cap and Method
US	10344816	Pressure Plate with Phase Change Material
US	10228025	Sleeve Coupling with Flange Having Internal Tooth Design for Increasing Useful Life of Flexible Insert
US	8758149	Elastomeric Coupling Having Clamp Ring with Flanges Providing Torsional Stiffness Characteristics
US	9845830	Profiled Adjustment Nut
US	D789187	Coupling
US	9166456	SYSTEM AND METHOD TO ALLOW A SYNCHRONOUS MOTOR TO SUCCESSFULLY SYNCHRONIZE WITH LOADS THAT HAVE HIGH INERTIA AND/OR HIGH TORQUE
US	9780620	SYSTEM AND METHOD TO ALLOW A SYNCHRONOUS MOTOR TO SUCCESSFULLY SYNCHRONIZE WITH LOADS THAT HAVE HIGH INERTIA AND/OR HIGH TORQUE
US	9476783	System and Method for Magnetically Coupling Loads to Prime Movers and Detecting Transmitted Torque
US	9249837	Winged Elastomeric Coupling with Minimized Separation Forces Between Elastomer and Clamp Ring
US	11199228	GRID COUPLING SEAL AND METHOD
Other Patents May Be Pending		

Mounted Bearing Accessory

Country	Patent No.	Title
US	7419305	Sealing System for Bearing Assembly
US	216746212	Cover Assembly for Bearing
Other Patents May Be Pending		

Sensors

Country	Patent No.	Title
US	11414276	Pulley Wear Sensor System and Method
Other Patents May Be Pending		

Gearboxes

Country	Patent No.	Title
US	9797499	Method of Installing a Motor on a Gear Box
US	11287025	Cooling Units for Transmissions
US	10876800	Mechanical System with Cooling Apparatus
US	11,060,602	Convective Cooling Devices and Methods for Cooling Housings
US	10458534	Gearbox System with Add-On Cooling Fin Panels
US	10859091	System Having Machine and Fan with an Axial Flow Inducer
US	10690232	Machine and Gearbox System and Cooling Therefor
US	10578205	Machine and Gearbox System with Air Cooling
US	D775251	Gearbox Housing
US	11,174,937	Speed Reducer Cooling Fins and Method of Manufacturing
US	7207741	Bushing System for Power Transmission Products
US	7314330	Bushing System for Power Transmission Products
US	9528596	Gear Box with Clutch Having Spring Engagement and Hydraulic Disengagement
US	9528594	Lubrication System for a Gear Box and Associated Methods
US	9416866	Vertical Gear Motor Planetary Gear Lubrication System
US	11227078	Method and System for Automated Gear Reducer Design
Other Patents May Be Pending		

Mounted Bearings

Country	Patent No.	Title
US	9822818	Bearing Assembly with Combination Set Screw and Concentric Shaft Locking Mechanism
US	7788786	Shaft Bearing Attachment System and Method
US	8857061	Permanent Visual Indicator and Diametrical to Axial Relation Gage and Method of Using Same
US	7909516	Shaft Bearing Attachment System and Method
US	9284979	Permanent Visual Indicator and Diametrical to Axial Relation Gage and Method of Using Same
US	7866894	Hydraulically Positioned Shaft Bearing Attachment System and Method
US	8151465	Hydraulically Positioned Shaft Bearing Attachment System and Method
US	7147926	Corrosion-Resistant and Stain-Resistant Component and Method for Manufacturing Same
Other Patents May Be Pending		

Bearing Seals and Cages

Country	Patent No.	Title
US	8506170	Bearing Mounted Isolator Seal
US	8408808	Two-Piece Bearing Cage with Side Face Grease Carrying Cavities
US	D690748	Two-Piece Bearing Cage with Side Face Grease Carrying Cavities
US	8061901	Extension Member for a Flinger of a Bearing
Other Patents May Be Pending		

Spherical Roller Bearings

Country	Patent No.	Title
US	9033585	Spherical Roller Bearing Cage with Cylindrical Guidance Contact Surfaces
US	9062715	Spherical Roller Bearing Cage with Cylindrical Guidance Contact Surfaces

Other Patents May Be Pending

Pulleys and Drive Components

Country	Patent No.	Title
US	7299915	Motorized Pulley
US	11130639	Modular Pulley for Continuous Belt Conveyor System
US	10,578,202	Sprocket for a Synchronous Drive Belt System

Other Patents May Be Pending

Circulating Oil Systems

Country	Patent No.	Title
US	7413054	Oil Circulation Retention System and Method

Other Patents May Be Pending