

## **Foreign Patents**

| <b>Cam Follov</b> | Cam Followers                |   |  |
|-------------------|------------------------------|---|--|
| Country           | Patent No.                   | Title   |  |
| DE                | 602017005404.6               | CAM FOLLOWER WITH TIRE HAVING AXIAL MOVEMENT MITIGATION FEATURES                                    |  |
| DE                | 602014022308-7               | NEEDLE ROLLER CAM FOLLOWER FOR HIGHER MILEAGE APPLICATIONS OF LIGHT, MEDIUM AND HEAVY DUTY VEHICLES |  |
| DE                | 602016020661.7               | ROLLER FOR A FUEL PUMP ACTUATOR   |  |
| EP                | 3211257                      | CAM FOLLOWER WITH TIRE HAVING AXIAL MOVEMENT MITIGATION FEATURES                                    |  |
| FP                | 2971624                      | NEEDLE ROLLER CAM FOLLOWER FOR HIGHER MILEAGE APPLICATIONS OF LIGHT,                                |  |
| Lr                | 2971024                      | MEDIUM AND HEAVY DUTY VEHICLES  |  |
| EP                | 3048293                      | ROLLER FOR A FUEL PUMP ACTUATOR   |  |
| Other Patents     | Other Patents May Be Pending |   |  |

| <b>Collets and</b> | Tool Holders   |   |
|--------------------|----------------|---|
| Country            | Patent No.     | Title   |
| AU                 | 2012311558     | ADJUSTABLE CLAMPING DEVICE  |
| CH                 | 2758199        | ADJUSTABLE CLAMPING DEVICE  |
| СН                 | 3003614        | Locking Mechanism for a Collet Assembly and Collet Assembly Including a Locking Mechanism |
| DE                 | 602012043042-7 | ADJUSTABLE CLAMPING DEVICE  |
| DE                 | 602013060015-5 | Locking Mechanism for a Collet Assembly and Collet Assembly Including a Locking Mechanism |
| EP                 | 2758199        | ADJUSTABLE CLAMPING DEVICE  |
| EP                 | 3003614        | Locking Mechanism for a Collet Assembly and Collet Assembly Including a Locking Mechanism |
| FR                 | 2758199        | ADJUSTABLE CLAMPING DEVICE  |
| FR                 | 3003614        | Locking Mechanism for a Collet Assembly and Collet Assembly Including a Locking Mechanism |
| JP                 | 6159331        | ADJUSTABLE CLAMPING DEVICE  |
| JP                 | 6185158        | Locking Mechanism for a Collet Assembly and Collet Assembly Including a Locking Mechanism |
| CN                 | 216279948      | FLEXIBLE ALIGNMENT SEALING COUPLING   |
| CN                 | 215922199      | ELASTOMERIC BEARING FOR A SUSPENSION ASSEMBLY   |
| CN                 | 215845787      | Flexible Collet Assembly with Limited Radial Stiffness                                    |
| CN                 | 216029409      | A CLAMPING DEVICE FOR CLAMPING A TOOL OR WORK PIECE                                       |
| Other Patents      | May Be Pending |   |

| <b>Duct Coupl</b> | Duct Couplings               |                                    |  |
|-------------------|------------------------------|------------------------------------|--|
| Country           | Patent No.                   | Title                              |  |
| DE                | 602004041494-8               | Flexible Coupling for Gas Conduits |  |
| DE                | 602004022672.6               | Spring-Loaded 'L'-Shaped Seal Ring |  |
| DE                | 602004041494-8               | Offset Stacked Sealing System      |  |
| EP                | 1631764                      | Flexible Coupling for Gas Conduits |  |
| EP                | 1639202                      | Spring-Loaded 'L'-Shaped Seal Ring |  |
| EP                | 2157340                      | Offset Stacked Sealing System      |  |
| FR                | 1631764                      | Flexible Coupling for Gas Conduits |  |
| FR                | 1639202                      | Spring-Loaded 'L'-Shaped Seal Ring |  |
| FR                | 2157340                      | Offset Stacked Sealing System      |  |
| GB                | 1631764                      | Flexible Coupling for Gas Conduits |  |
| GB                | 1639202                      | Spring-Loaded 'L'-Shaped Seal Ring |  |
| GB                | 2157340                      | Offset Stacked Sealing System      |  |
| NL                | 1631764                      | Flexible Coupling for Gas Conduits |  |
| NL                | 2157340                      | Offset Stacked Sealing System      |  |
| Other Patents     | Other Patents May Be Pending |                                    |  |

| Fasteners     |                |                                    |
|---------------|----------------|------------------------------------|
| Country       | Patent No.     | Title                              |
| DE            | EP3591242      | SLEEVES FOR INTERFERENCE FASTENERS |
| Other Patents | May Be Pending |                                    |

| Plain Journal Bearings |                              |  |  |
|------------------------|------------------------------|--|--|
| Country                | ountry Patent No. Title      |  |  |
| Other Patents          | Other Patents May Be Pending |  |  |

| Plain Beari   | Plain Bearings |   |  |
|---------------|----------------|---|--|
| Country       | Patent No.     | Title   |  |
| CN            | 106812789      | SELF-LUBRICATED THRUST BEARING FOR A HINGED AIRCRAFT WING               |  |
| DE            | 2977627        | Self-Aligning Outer Race  |  |
| DE            | 3173639        | SELF-LUBRICATED THRUST BEARING FOR A HINGED AIRCRAFT WING               |  |
| DE            | 2255202        | BEARING SYSTEM WITH SELF-LUBRICATION FEATURES, SEALS, GROOVES AND SLOTS |  |
| DE            | 3255292        | FOR MAINTENANCE-FREE OPERATION  |  |
| EP            | 2977627        | Self-Aligning Outer Race  |  |
| EP            | 3173639        | SELF-LUBRICATED THRUST BEARING FOR A HINGED AIRCRAFT WING               |  |
| FP            | 3255292        | BEARING SYSTEM WITH SELF-LUBRICATION FEATURES, SEALS, GROOVES AND SLOTS |  |
| EP            | 3233292        | FOR MAINTENANCE-FREE OPERATION  |  |
| FR            | 2977627        | Self-Aligning Outer Race  |  |
| DE            | EP3747765      | SELF-LUBRICATED ELECTRICALLY CONDUCTIVE BUSHING                         |  |
| GB            | 3255292        | BEARING SYSTEM WITH SELF-LUBRICATION FEATURES, SEALS, GROOVES AND SLOTS |  |
| ОВ            |                | FOR MAINTENANCE-FREE OPERATION  |  |
| Other Patents | May Be Pending |   |  |

| Rods          |                |   |
|---------------|----------------|---|
| Country       | Patent No.     | Title   |
| DE            | 2937579        | COMPRESSION ROD HAVING A BUCKLING INITIATING FEATURE                  |
| DE            | 3176463        | ROTATION ROD ASSEMBLY WITH SELF LUBRICATING LINER OR GROOVED BUSHINGS |
| EP            | 2937579        | COMPRESSION ROD HAVING A BUCKLING INITIATING FEATURE                  |
| EP            | 3176463        | ROTATION ROD ASSEMBLY WITH SELF LUBRICATING LINER OR GROOVED BUSHINGS |
| Other Patents | May Be Pending |   |

| Rolling Ele   | Rolling Element Bearings |  |  |
|---------------|--------------------------|--|--|
| Country       | Patent No.               | Title  |  |
| CA            | 2856859                  | Top Drive Bearing Made of Non-Vacuum Arc Remelted Steel  |  |
| DE            | 2844886                  | HYBRID BEARING ASSEMBLY WITH ROLLING ELEMENTS AND PLAIN BEARING  |  |
| DE            | 2927115                  | Composite Annular Seal Assembly for Bearings in Aircraft   |  |
| DE            | 602014009258-6           | ROLLER PROFILE FOR HOURGLASS ROLLER BEARINGS IN AIRCRAFT   |  |
| DE            | 2952758                  | CORROSION RESISTANT BEARING  |  |
| DE            | 602015007527-7           | PRONG CAGE FOR A DOUBLE-ROW CONCAVE ROLLER BEARING FOR THE SUPPORT STRUCTURE OF A FLAP AT THE REAR OF AN AIRCRAFT WING |  |
| DE            | 2957781                  | SUPPORT STRUCTURE OF A FLAP AT THE REAR OF AN AIRCRAFT WING WITH DOUBLE-ROW CONCAVE ROLLER BEARING                     |  |
| DE            | 3034899                  | Seal for Self Aligning Roller Bearing  |  |
| EP            | 2 844 886                | HYBRID BEARING ASSEMBLY WITH ROLLING ELEMENTS AND PLAIN BEARING  |  |
| EP            | 2927115                  | Composite Annular Seal Assembly for Bearings in Aircraft   |  |
| EP            | 2894359                  | ROLLER PROFILE FOR HOURGLASS ROLLER BEARINGS IN AIRCRAFT   |  |
| EP            | 2952758                  | CORROSION RESISTANT BEARING  |  |
| EP            | 2052760                  | PRONG CAGE FOR A DOUBLE-ROW CONCAVE ROLLER BEARING FOR THE SUPPORT   |  |
| EP            | 2952760                  | STRUCTURE OF A FLAP AT THE REAR OF AN AIRCRAFT WING  |  |
| EP            | 2957781                  | SUPPORT STRUCTURE OF A FLAP AT THE REAR OF AN AIRCRAFT WING WITH   |  |
| EP            | 295//81                  | DOUBLE-ROW CONCAVE ROLLER BEARING  |  |
| EP            | 3034899                  | Seal for Self Aligning Roller Bearing  |  |
| KR            | 10-1677080               | Composite Annular Seal Assembly for Bearings in Aircraft   |  |
| Other Patents | May Be Pending           |  |  |

| Self Lubrica  | Self Lubricated Liners       |   |  |
|---------------|------------------------------|---|--|
| Country       | Patent No.                   | Title   |  |
| CA            | 2725433                      | Self-Lubricating Surface Coating Composition for Low Friction or Soft Substrate<br>Applications |  |
| DE            | 2565243                      | Self-Lubricating Surface Coating Composition for Low Friction or Soft Substrate<br>Applications |  |
| DE            | 602009022952-4               | Self-Lubricating Surface Coating Composition for Low Friction or Soft Substrate Applications    |  |
| DE            | 3001090                      | Self Lubricating Cam Follower Assembly  |  |
| EP            | 2565243                      | Self-Lubricating Surface Coating Composition for Low Friction or Soft Substrate<br>Applications |  |
| EP            | 2285884                      | Self-Lubricating Surface Coating Composition for Low Friction or Soft Substrate Applications    |  |
| EP            | 3001090                      | Self Lubricating Cam Follower Assembly  |  |
| GB            | 2285884                      | Self-Lubricating Surface Coating Composition for Low Friction or Soft Substrate<br>Applications |  |
| JP            | 5384619                      | Self-Lubricating Surface Coating Composition for Low Friction or Soft Substrate Applications    |  |
| Other Patents | Other Patents May Be Pending |   |  |

| Spherical P | Spherical Plain Bearings |  |  |
|-------------|--------------------------|--|--|
| Country     | Patent No.               | Title  |  |
| CN          | ZL 201280045772.6        | LOW FRICTION SEAL FOR BEARINGS   |  |
| CN          | ZL201610185771.1         | LOW FRICTION SEAL FOR BEARINGS   |  |
| CN          | 201520145572.9           | BOOT SEAL WITH SLIDING RING FOR SPHERICAL PLAIN BEARING  |  |
| CN          | ZL201380074587.4         | Spherical Plain Bearing with Spring-Ball Configuration   |  |
| CN          | 106170631                | BEARING WITH ANCHOR MEMBER   |  |
| CN          | ZL201510645961.2         | A VARIABLE FIXED INSTALLATION TORQUE BEARING   |  |
| DE          | 602012010244-6           | Spherical plain bearing and a housing in combination with a spherical plain bearing  |  |
| DE          | 2923097                  | SPHERICAL PLAIN BEARING WITH LUBRICATION GROOVE  |  |
| DE          | 602011020997.3           | Spherical Plain Bearing with Constant Torque   |  |
| DE          | 602011017931.4           | COMBINATION SPLIT OUTER RING AND SEAL RETENTION METHOD FOR SPHERICAL PLAIN BEARINGS  |  |
| DE          | 602012012079-7           | Spherical bearing with sealing member, method of sealing a spherical bearing and steering assembly comprising said bearing |  |
| DE          | 2791518                  | SLOTTED BEARINGS WITH WEAR-RESISTANT TREATMENTS FOR GEARBOX  |  |
|             |                          | MOUNTING IN A GEARED TURBOFAN ENGINE   |  |
| DE          | 2831434                  | SUPPORT FOR A SPHERICAL BEARING  |  |
| DE          | 202012013567             | SUPPORT FOR A SPHERICAL BEARING  |  |
| DE          | 602012014656.7           | BOOT SEAL WITH SLIDING RING FOR SPHERICAL PLAIN BEARING  |  |
| DE          | 2981723                  | Tabbed Washer for a Bearing Assembly   |  |
| DE          | 3211254                  | Tabbed Washer for a Bearing Assembly   |  |
| DE          | 602013016447-9           | TWO STAGE SEAL FOR A BEARING ASSEMBLY  |  |
| DE          | 2981724                  | SPHERICAL BEARING AND METHOD OF MAKING THE SAME  |  |
| DE          | 2929198                  | TWO STAGE SEAL FOR A BEARING ASSEMBLY  |  |

| Spherical P | Plain Bearings (co | ont.)  |
|-------------|--------------------|--|
| Country     | Patent No.         | Title  |
| DE          | 2964968            | LINKAGE APPARATUS HAVING A LOW PROFILE ASYMMETRICAL HEAD   |
| DE          | 602013017964-6     | Spherical Plain Bearing with Spring-Ball Configuration   |
| DE          | 2905486            | Swaged Bearing Assembly with a Flange Mounted Thereon  |
| DE          | 2930380            | Bearing Assembly with Split Outer Ring Having Interference Fit Tabs and Method of Assembly of Bearing                      |
| DE          | 2905445            | TURBOCHARGER WASTEGATE ACTUATOR HIGH TEMPERATURE ROD END WITH A SPHERICAL BEARING AND A METHOD FOR OPERATING THE ACTUATOR  |
| DE          | 3066351            | BEARING WITH ANCHOR MEMBER   |
| DE          | 2975277            | BEARING ASSEMBLY HAVING SURFACE PROTRUSIONS AND A SEAL   |
| DE          | 602016000848-3     | BEARING ASSEMBLY HAVING AN ANTI-ROTATION DEVICE  |
| DE          | 3002472            | A VARIABLE FIXED INSTALLATION TORQUE BEARING   |
| DE          | 3006751            | System for Isolating Electrical Current in a Bearing for Use in an Aircraft Structure                                      |
| DE          | 3034897            | SPHERICAL BEARING WITH ANNULAR SEAL HAVING AN AUXILIARY SEAL LEG EXTENDING THEREFROM                                       |
| DE          | 3324082            | Elastomeric Seal Having Impact Protecting Protrusions  |
| DE          | 3450779            | ARRANGEMENT FOR MAINTAINING A POSITION OF A SPRING-BALL ON A SHAFT   |
| EP          | 2631501            | Spherical plain bearing and a housing in combination with a spherical plain bearing  |
| EP          | 2923097            | SPHERICAL PLAIN BEARING WITH LUBRICATION GROOVE  |
| EP          | 2640986            | COMBINATION SPLIT OUTER RING AND SEAL RETENTION METHOD FOR SPHERICAL PLAIN BEARINGS  |
| EP          | 2505858            | Spherical bearing with sealing member, method of sealing a spherical bearing and steering assembly comprising said bearing |
| EP          | 2791518            | SLOTTED BEARINGS WITH WEAR-RESISTANT TREATMENTS FOR GEARBOX MOUNTING IN A GEARED TURBOFAN ENGINE                           |
| EP          | 2831434            | SUPPORT FOR A SPHERICAL BEARING  |
| EP          | 2812590            | BOOT SEAL WITH SLIDING RING FOR SPHERICAL PLAIN BEARING  |
| EP          | 2981723            | Tabbed Washer for a Bearing Assembly   |
| EP          | 3211254            | Tabbed Washer for a Bearing Assembly   |
| EP          | 2981725            | TWO STAGE SEAL FOR A BEARING ASSEMBLY  |
| EP          | 2981724            | SPHERICAL BEARING AND METHOD OF MAKING THE SAME  |
| EP          | 2929198            | TWO STAGE SEAL FOR A BEARING ASSEMBLY  |
| EP          | 2964968            | LINKAGE APPARATUS HAVING A LOW PROFILE ASYMMETRICAL HEAD   |
| EP          | 2986862            | Spherical Plain Bearing with Spring-Ball Configuration   |
| EP          | 2905486            | Swaged Bearing Assembly with a Flange Mounted Thereon  |
| EP          | 2930380            | Bearing Assembly with Split Outer Ring Having Interference Fit Tabs and Method of Assembly of Bearing                      |
| EP          | 2905445            | TURBOCHARGER WASTEGATE ACTUATOR HIGH TEMPERATURE ROD END WITH A SPHERICAL BEARING AND A METHOD FOR OPERATING THE ACTUATOR  |

|         | lain Bearings (d |   |
|---------|------------------|---|
| Country | Patent No.       | Title   |
| EP      | 3066351          | BEARING WITH ANCHOR MEMBER  |
| EP      | 2975277          | BEARING ASSEMBLY HAVING SURFACE PROTRUSIONS AND A SEAL  |
| EP      | 3070350          | BEARING ASSEMBLY HAVING AN ANTI-ROTATION DEVICE   |
| EP      | 3002472          | A VARIABLE FIXED INSTALLATION TORQUE BEARING  |
| EP      | 3006751          | System for Isolating Electrical Current in a Bearing for Use in an Aircraft Structure                 |
| EP      | 3034897          | SPHERICAL BEARING WITH ANNULAR SEAL HAVING AN AUXILIARY SEAL LEG                                      |
| EP      | 3034697          | EXTENDING THEREFROM   |
| EP      | 3263927          | Multiple Stage Seal for a Bearing Assembly  |
| EP      | 3324082          | Elastomeric Seal Having Impact Protecting Protrusions   |
| EP      | 3450779          | ARRANGEMENT FOR MAINTAINING A POSITION OF A SPRING-BALL ON A SHAFT                                    |
| EP      | 4184027A1        | SELF-LUBRICATING BEARING  |
| ES      | 3070350          | BEARING ASSEMBLY HAVING AN ANTI-ROTATION DEVICE   |
| FR      | 2631501          | Spherical plain bearing and a housing in combination with a spherical plain bearing                   |
| FR      | 2726750          | Spherical Plain Bearing with Constant Torque  |
|         |                  | Spherical bearing with sealing member, method of sealing a spherical bearing and                      |
| FR      | 2505858          | steering assembly comprising said bearing   |
| FR      | 2831434          | SUPPORT FOR A SPHERICAL BEARING   |
| FR      | 2812590          | BOOT SEAL WITH SLIDING RING FOR SPHERICAL PLAIN BEARING   |
| FR      | 3211254          | Tabbed Washer for a Bearing Assembly  |
| FR      | 2981724          | SPHERICAL BEARING AND METHOD OF MAKING THE SAME   |
| FR      | 2986862          | Spherical Plain Bearing with Spring-Ball Configuration  |
| FR      | 2905486          | Swaged Bearing Assembly with a Flange Mounted Thereon   |
| FR      | 2930380          | Bearing Assembly with Split Outer Ring Having Interference Fit Tabs and Method of Assembly of Bearing |
| FR      | 3066351          | BEARING WITH ANCHOR MEMBER  |
| FR      | 3070350          | BEARING ASSEMBLY HAVING AN ANTI-ROTATION DEVICE   |
| FR      | 3002472          | A VARIABLE FIXED INSTALLATION TORQUE BEARING  |
| FR      | 3324082          | Elastomeric Seal Having Impact Protecting Protrusions   |
| FR      | 3450779          | ARRANGEMENT FOR MAINTAINING A POSITION OF A SPRING-BALL ON A SHAFT                                    |
| GB      | 2923097          | SPHERICAL PLAIN BEARING WITH LUBRICATION GROOVE   |
| GB      | 2452900          | SPHERICAL PLAIN BEARING WITH LUBRICATION GROOVE   |
| GB      | 2929198          | TWO STAGE SEAL FOR A BEARING ASSEMBLY   |
| GB      | 3263927          | Multiple Stage Seal for a Bearing Assembly  |
| GB      | 3324082          | Elastomeric Seal Having Impact Protecting Protrusions   |
|         | May Be Pending   |   |

| Track Rolle                  | rack Roller Bearings |   |  |
|------------------------------|----------------------|---|--|
| Country                      | Patent No.           | Title   |  |
| CA                           | 2643029              | ACTUATION SYSTEM FOR A LIFT ASSISTING DEVICE AND ROLLER BEARINGS USED THEREIN |  |
| CN                           | 2.0081E+11           | ACTUATION SYSTEM FOR A LIFT ASSISTING DEVICE AND ROLLER BEARINGS USED THEREIN |  |
| DE                           | 2934999              | ACTUATION SYSTEM FOR A LIFT ASSISTING DEVICE AND ROLLER BEARINGS USED THEREIN |  |
| DE                           | 2067696              | ACTUATION SYSTEM FOR A LIFT ASSISTING DEVICE AND ROLLER BEARINGS USED THEREIN |  |
| DE                           | 602015029734-2       | SPLIT INNER OR OUTER RACE ROLLER BEARING WITH ROLLING ELEMENTS                |  |
| EP                           | 2934999              | ACTUATION SYSTEM FOR A LIFT ASSISTING DEVICE AND ROLLER BEARINGS USED THEREIN |  |
| EP                           | 2067696              | ACTUATION SYSTEM FOR A LIFT ASSISTING DEVICE AND ROLLER BEARINGS USED THEREIN |  |
| EP                           | 3176076              | SPLIT INNER OR OUTER RACE ROLLER BEARING WITH ROLLING ELEMENTS                |  |
| EP                           | 3388702              | A TWO PART SEAL FOR A TRACK ROLLER BEARING                                    |  |
| JP                           | 5162421              | ACTUATION SYSTEM FOR A LIFT ASSISTING DEVICE AND ROLLER BEARINGS USED THEREIN |  |
| MX                           | 317295               | ACTUATION SYSTEM FOR A LIFT ASSISTING DEVICE AND ROLLER BEARINGS USED THEREIN |  |
| Other Patents May Be Pending |                      |   |  |

| <b>Mounted B</b> | Mounted Bearing Accessory    |          |  |  |
|------------------|------------------------------|----------|--|--|
| Country          | Patent No.                   | Title    |  |  |
| EM               | 001095202-0001               | Bearings |  |  |
| EM               | 001095202-0002               | Bearings |  |  |
| EM               | 001095202-0003               | Bearings |  |  |
| GB               | 90010952020003               | Bearings |  |  |
| Other Patents    | Other Patents May Be Pending |          |  |  |

| Gearboxes     | Gearboxes                    |   |  |
|---------------|------------------------------|---|--|
| Country       | Patent No.                   | Title   |  |
| EP            | 3575609                      | System Having Machine and Fan with an Axial Flow Inducer                  |  |
| CN            | 303521179                    | Gearbox Housing   |  |
| EM            | 002642819-0001               | Gearbox Housing   |  |
| GB            | 90026428190001               | Gearbox Housing   |  |
| JP            | 1547203                      | Gearbox Housing   |  |
| EP            | 3576263                      | Machine and Gearbox System with Air Cooling                               |  |
| DE            | 3576263                      | Machine and Gearbox System with Air Cooling                               |  |
| IT            | 3576263                      | Machine and Gearbox System with Air Cooling                               |  |
| EP            | 3575639                      | Gearbox System with Add-On Cooling Fin Panels                             |  |
| DE            | 3575639                      | Gearbox System with Add-On Cooling Fin Panels                             |  |
| GB            | 3575639                      | Gearbox System with Add-On Cooling Fin Panels                             |  |
| ΙΤ            | 102019000018719              | Convective Cooling Devices and Methods for Cooling Housings               |  |
| CN            | 106662237                    | Vertical Gear Motor Planetary Gear Lubrication System                     |  |
| CN            | 106574703                    | Gear Box with Clutch Having Spring Engagement and Hydraulic Disengagement |  |
| Other Patents | Other Patents May Be Pending |   |  |

| Sensors                      |            |   |
|------------------------------|------------|---|
| Country                      | Patent No. | Title   |
| CN                           | 211553257  | A Condition Monitoring Device and a System for the Condition Monitoring of Industrial Machinery |
| CN                           | 216746212  | OIL QUALITY SENSOR  |
| Other Patents May Be Pending |            |   |

| Couplings     |                |   |
|---------------|----------------|---|
| Country       | Patent No.     | Title   |
| CN            | 106030138      | Winged Elastomeric Coupling with Minimized Separation Forces Between Elastomer and Clamp Ring |
| EP            | 3084247        | Winged Elastomeric Coupling with Minimized Separation Forces Between Elastomer and Clamp Ring |
| DE            | 3084247        | Winged Elastomeric Coupling with Minimized Separation Forces Between Elastomer and Clamp Ring |
| GB            | 3084247        | Winged Elastomeric Coupling with Minimized Separation Forces Between Elastomer and Clamp Ring |
| KR            | 1879179        | Winged Elastomeric Coupling with Minimized Separation Forces Between Elastomer and Clamp Ring |
| Other Patents | May Be Pending |   |

| Spherical R   | Spherical Roller Bearings    |  |  |
|---------------|------------------------------|--|--|
| Country       | Patent No.                   | Title  |  |
| CN            | 105190065                    | Spherical Roller Bearing Cage with Cylindrical Guidance Contact Surfaces |  |
| EP            | 2994656                      | Spherical Roller Bearing Cage with Cylindrical Guidance Contact Surfaces |  |
| DE            | 2994656                      | Spherical Roller Bearing Cage with Cylindrical Guidance Contact Surfaces |  |
| FR            | 2994656                      | Spherical Roller Bearing Cage with Cylindrical Guidance Contact Surfaces |  |
| IT            | 2994656                      | Spherical Roller Bearing Cage with Cylindrical Guidance Contact Surfaces |  |
| RO            | 2994656                      | Spherical Roller Bearing Cage with Cylindrical Guidance Contact Surfaces |  |
| SE            | 2994656                      | Spherical Roller Bearing Cage with Cylindrical Guidance Contact Surfaces |  |
| CN            | 104011439                    | Bearing Mounted Isolator Seal  |  |
| Other Patents | Other Patents May Be Pending |  |  |

| Mounted Bearings             |            |  |
|------------------------------|------------|--|
| Country                      | Patent No. | Title  |
| CN                           | 104662317  | Permanent Visual Indicator and Diametrical to Axial Relation Gage and Method of Using Same |
| EP                           | 2875247    | Permanent Visual Indicator and Diametrical to Axial Relation Gage and Method of Using Same |
| СН                           | 2875247    | Permanent Visual Indicator and Diametrical to Axial Relation Gage and Method of Using Same |
| DE                           | 2875247    | Permanent Visual Indicator and Diametrical to Axial Relation Gage and Method of Using Same |
| FR                           | 2875247    | Permanent Visual Indicator and Diametrical to Axial Relation Gage and Method of Using Same |
| GB                           | 2875247    | Permanent Visual Indicator and Diametrical to Axial Relation Gage and Method of Using Same |
| IT                           | 2875247    | Permanent Visual Indicator and Diametrical to Axial Relation Gage and Method of Using Same |
| SE                           | 2875247    | Permanent Visual Indicator and Diametrical to Axial Relation Gage and Method of Using Same |
| Other Patents May Be Pending |            |  |

| Bearing Seals |                              |                               |  |
|---------------|------------------------------|-------------------------------|--|
| Country       | Patent No.                   | Title                         |  |
| CN            | 104011439                    | Bearing Mounted Isolator Seal |  |
| EP            | 2798246                      | Bearing Mounted Isolator Seal |  |
| Other Patents | Other Patents May Be Pending |                               |  |