Patents

Timeline

Page 1 of 1

2007

US Pat. No. 7,249,751
Ball Valve with Shear Bushing and Integral Bracket for Stem
Blowout Protection. Issue date 07/31/07

2007

US Pat. No. 7,219,877 Continuous Catalyst Extraction Valve With Line Cleaning Feature Issue date 05/22/07

2007

US Pat. No. 20070062589 Rotary Ball Valve Assembly Issue date 03/22/07

2007

US Pat. No. 7,156,222 Rotary Ball Valve Assembly Issue date 01/02/07

2000

2004

2007

US Pat. No. 7,278,448 Rotary Ball Valve Assembly Issue date 10/9/07

2007

US Pat. No. 20070177933 Thermally Compensated Mounting Flange and Method of Use Issue date 8/2/07

2014

US Pat. No. 8,783,279 – Tubular Member With Thermal Sleeve Liner Issue date 07/22/14

2016

US Pat. No. 9,500,285 – High Pressure Ball Valve and Packing Issue date 11/22/16

2016

US Pat. No. 9,366,347 – Multiport Severe Service Ball Valve Issue date 06/14/16

2016

US Pat. No. 9,249,889 – High Pressure Ball Valve Issue date 02/02/16

2016

US Pat. No. 9,366,345 – High Pressure Ball Valve and Seat. Issue date 01/04/16

2020

1970

1980

1989US Pat. No. 4,887,794
Ball Valve
Issue date 12/19/89

1990

1990

US Pat. No. 4,911,409 Ball Valve Issue date 03/27/90

1990

US Pat. No. 4,890,643 Bi-directional Sealing Valve Issue date 01/02/90

US Pat. No. 6,835,449 Nanostructured Titania Coated Titanium Issue date 12/28/04

2006

US Pat. No. 20060297677
Ball Valve with Shear Bushing and
Integral Bracket for Stem Blowout
Protection. Issue date 10/26/06

2006

US Pat. No. 7,093,819 Ball Valve with Shear Bushing and Integral Bracket for Stem Blowout Protection. Issue date 08/22/06

2011

2010

US Pat. No. 20110017305 Tubular Member With Thermal Sleeve Liner Issue date 01/27/11

2010

US Pat. No. 20100258193 Ball Valve Impedance Seat Issue date 10/14/10

2009

US Pat. No. 7,600,740 Thermally Compensated Mounting Flange and Method of Use. Issue date 10/13/09

2009

US Pat. No. 20090032762

Flow Control Ball Valve. Issue date 02/05/09

2022

US Pat. No. 11,224,903 Vortex Flush Ball Valve and Method Issue date 01/18/22

2021

US Pat. No. 11,174,963 Coker Switch Valve Operating System and Method Issue date 11/16/2021

2021

US Pat. No. 11,118,695 Multiport Valve Issue date 09/14/2021

