

Title (en)
METHOD OF DESIGNING BLOWOUT PREVENTER SEAL USING FINITE ELEMENT ANALYSIS

Title (de)
VERFAHREN ZUR KONZIPIERUNG EINER AUSBLASUNGSVERHINDERUNGSDICHTUNG MITHILFE EINER ANALYSE FINITER ELEMENTE

Title (fr)
PROCÉDÉ DE CONCEPTION D'UN DISPOSITIF D'ÉTANCHÉITÉ D'OBTURATEUR ANTI-ÉRUPTION À L'AIDE D'UNE ANALYSE PAR ÉLÉMENTS FINIS

Publication
EP 2049765 A4 20141015 (EN)

Application
EP 07813549 A 20070730

Priority

- US 2007074762 W 20070730
- US 82072306 P 20060728
- US 84776006 P 20060928
- US 86239206 P 20061020
- US 91280907 P 20070419
- US 82981107 A 20070727
- US 82969707 A 20070727
- US 82970707 A 20070727
- US 82975207 A 20070727

Abstract (en)
[origin: WO2008014515A1] A seal and a method of manufacturing a seal for a blowout preventer. The seal includes a rigid material insert disposed within an elastomeric body, with at least a portion of the rigid material insert selectively de-bonded from the elastomeric body.

IPC 8 full level
E21B 33/03 (2006.01); **B29C 35/02** (2006.01); **E21B 33/06** (2006.01)

CPC (source: EP US)
B29C 35/0222 (2013.01 - EP US); **B29C 35/0288** (2013.01 - EP US); **E21B 33/06** (2013.01 - EP US); **G06F 30/23** (2020.01 - EP US); **B29L 2031/265** (2013.01 - EP US); **G06F 2111/10** (2020.01 - EP US); **Y10T 29/49297** (2015.01 - EP US); **Y10T 137/5983** (2015.04 - EP US)

Citation (search report)

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- [A] EP 1679629 A2 20060712 - SEAT SA [ES]
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- See references of WO 2008014517A1

Designated contracting state (EPC)
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WO 2008014515 A1 20080131; BR PI0713811 A2 20121106; BR PI0713825 A2 20121204; CA 2658708 A1 20080403; CA 2658708 C 20141202; CA 2658994 A1 20080131; CA 2658994 C 20120110; CA 2658997 A1 20080131; CA 2658997 C 20160913; CA 2659000 A1 20080131; CN 101517284 A 20090826; CN 101517284 B 20120620; CN 101523010 A 20090902; CN 101523010 B 20130508; EP 2049763 A1 20090422; EP 2049763 A4 20141001; EP 2049763 B1 20171129; EP 2049764 A1 20090422; EP 2049764 A4 20141015; EP 2049765 A1 20090422; EP 2049765 A4 20141015; JP 2009544875 A 20091217; JP 2009544876 A 20091217; JP 2009544877 A 20091217; JP 5011476 B2 20120829; MX 2009001065 A 20090520; MX 2009001111 A 20091012; MX 2009001112 A 20090722; US 2008023917 A1 20080131; WO 2008014514 A1 20080131; WO 2008014517 A1 20080131; WO 2008039589 A1 20080403

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US 2007074753 W 20070730; BR PI0713811 A 20070730; BR PI0713825 A 20070730; CA 2658708 A 20070730; CA 2658994 A 20070730; CA 2658997 A 20070730; CA 2659000 A 20070730; CN 200780035478 A 20070730; CN 200780036432 A 20070730; EP 07799921 A 20070730; EP 07799925 A 20070730; EP 07813549 A 20070730; JP 2009522032 A 20070730; JP 2009522033 A 20070730; JP 2009522034 A 20070730; MX 2009001065 A 20070730; MX 2009001111 A 20070730; MX 2009001112 A 20070730; US 2007074750 W 20070730; US 2007074756 W 20070730; US 2007074762 W 20070730; US 82969707 A 20070727