

Title (en)

COATED SLEEVED OIL AND GAS WELL PRODUCTION DEVICES

Title (de)

BESCHICHTETE UMMANTELTE VORRICHTUNG ZUR HERSTELLUNG VON ÖL- UND GASBOHRLÖCHERN

Title (fr)

DISPOSITIFS DE PRODUCTION REVÊTUS ET MANCHONNÉS POUR PUITS DE PÉTROLE ET DE GAZ

Publication

EP 2539622 A4 20170920 (EN)

Application

EP 10846262 A 20100222

Priority

US 2010000502 W 20100222

Abstract (en)

[origin: WO2011102820A1] A coated sleeved oil and gas well production device includes an oil and gas well production device including one or more bodies and one or more sleeves proximal to the outer or inner surface of the one or more bodies, and a coating on at least a portion of the inner sleeve surface, outer sleeve surface, or a combination thereof, wherein the coating is chosen from an amorphous alloy, a heat-treated electroless or electroplated based nickel-phosphorous composite with a phosphorous content greater than 12 wt%, graphite, MoS₂, WS₂, a fullerene based composite, a boride based cermet, a quasicrystalline material, a diamond based material, diamond-like-carbon (DLC), boron nitride, and combinations thereof. The devices may provide for reduced friction, wear, erosion, corrosion, and deposits for well construction, completion and production of oil and gas.

IPC 8 full level

E21B 17/10 (2006.01)

CPC (source: EP)

E21B 17/1085 (2013.01)

Citation (search report)

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- [A] EP 1934508 A2 20080625 - VALLOUREC MANNESMANN OIL & GAS [FR], et al
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Designated contracting state (EPC)

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WO 2011102820 A1 20110825; AU 2010346524 A1 20120927; AU 2010346524 B2 20160512; AU 2011217814 A1 20120927; AU 2011217814 B2 20151008; CA 2790663 A1 20110825; CA 2790663 C 20161213; CA 2790701 A1 20110825; CA 2790701 C 20160712; CN 102859250 A 20130102; CN 102859250 B 20160413; CN 102869848 A 20130109; CN 102869848 B 20160413; EP 2539535 A1 20130102; EP 2539535 A4 20180829; EP 2539622 A1 20130102; EP 2539622 A4 20170920; EP 2539622 B1 20190403; RU 2012138282 A 20140327; RU 2012138283 A 20140327; RU 2572617 C2 20160120; WO 2011103551 A1 20110825

DOCDB simple family (application)

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