

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 PUIITS 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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Designated contracting state (EPC)
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