

Title (en)
DOWNHOLE SUB WITH HYDRAULICALLY ACTUABLE SLEEVE VALVE

Title (de)
BOHRLOCH-SUB MIT HYDRAULISCH BETÄTIGBAREM SCHIEBERVENTIL

Title (fr)
RACCORD DOUBLE FEMELLE DE FOND DE Puits AVEC SOUPAPE À MANCHON ACTIONNABLE DE FAÇON HYDRAULIQUE

Publication
EP 2294279 A4 20151118 (EN)

Application
EP 09737604 A 20090429

Priority
• CA 2009000599 W 20090429
• US 4879708 P 20080429
• US 40518509 A 20090316

Abstract (en)
[origin: WO2009132462A1] A method for opening a port through the wall of a ported sub including: providing a sub with a port through its tubular side wall; providing a hydraulically actuatable valve to cover the port, the valve being actuatable to move away from a position covering the port to thereby open the port; increasing pressure within the sub to create a pressure differential across the valve to move the valve toward the low pressure side, while the port remains closed by the valve; thereafter, reducing pressure within the sub to reduce the pressure differential; and driving the valve to move it away from a position covering the port.

IPC 8 full level
E21B 34/14 (2006.01); **E21B 23/00** (2006.01); **E21B 33/126** (2006.01); **E21B 34/00** (2006.01); **E21B 34/10** (2006.01)

CPC (source: EP)
E21B 23/006 (2013.01); **E21B 34/10** (2013.01); **E21B 34/103** (2013.01); **E21B 2200/06** (2020.05)

Citation (search report)
• No further relevant documents disclosed
• See references of WO 2009132462A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
WO 2009132462 A1 20091105; AU 2009242942 A1 20091105; AU 2009242942 B2 20140731; CA 2719561 A1 20091105; EP 2294279 A1 20110316; EP 2294279 A4 20151118

DOCDB simple family (application)
CA 2009000599 W 20090429; AU 2009242942 A 20090429; CA 2719561 A 20090429; EP 09737604 A 20090429