

Title (en)
DOWNHOLE POWER SYSTEM

Title (de)
BOHRLOCHSTROMVERSORGUNGSSYSTEM

Title (fr)
SYSTÈME D'ÉNERGIE DE FOND DE TROU

Publication
EP 2932027 A1 20151021 (EN)

Application
EP 13805834 A 20131210

Priority
• EP 12196526 A 20121211
• EP 2013076035 W 20131210
• EP 13805834 A 20131210

Abstract (en)
[origin: EP2743445A1] The present invention relates to a downhole power system (1) comprising a tubing string (2) comprising a pressurised fluid (3), a turbine (4) for converting energy from the pressurised fluid into rotation of a shaft (5), a generator (8) or a tool (6, 6a) powered by the turbine, wherein a constant flow downhole assembly (7) is arranged between the tubing string and the turbine for providing a substantially constant flow of the pressurised fluid to the turbine. The present invention also relates to a constant flow downhole assembly and to a method for proving a substantially constant flow of fluid into a turbine of the downhole power system.

IPC 8 full level
E21B 41/00 (2006.01); **E21B 41/02** (2006.01)

CPC (source: EP US)
E21B 4/02 (2013.01 - EP US); **E21B 34/10** (2013.01 - US); **E21B 41/0085** (2013.01 - EP US)

Citation (search report)
See references of WO 2014090777A1

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2743445 A1 20140618; AU 2013357481 A1 20150716; BR 112015011685 A2 20170711; CA 2892824 A1 20140619;
CN 104838088 A 20150812; EP 2932027 A1 20151021; MX 2015006634 A 20150805; RU 2015125212 A 20170119;
US 2015300129 A1 20151022; WO 2014090777 A1 20140619

DOCDB simple family (application)
EP 12196526 A 20121211; AU 2013357481 A 20131210; BR 112015011685 A 20131210; CA 2892824 A 20131210;
CN 201380062138 A 20131210; EP 13805834 A 20131210; EP 2013076035 W 20131210; MX 2015006634 A 20131210;
RU 2015125212 A 20131210; US 201314648581 A 20131210