

Title (en)

Activation device for use in a downhole well

Title (de)

Aktivierungsvorrichtung zur Verwendung in einem Bohrloch

Title (fr)

Dispositif d'activation pour une utilisation dans un puits de forage

Publication

EP 2492437 A3 20130410 (EN)

Application

EP 12157150 A 20120227

Priority

GB 201103295 A 20110225

Abstract (en)

[origin: EP2492437A2] An activation device (10) for use in a downhole well for activation of a downhole tool in the well. The downhole tool has a seat (103) adapted to engage the activation device. The activation device can travel through a borehole of the downhole well to reach the seat. The activation device has an outer layer (22) and a core (24). The material of the outer layer resists erosion by drilling fluid when the activation device is in the borehole. The material of the core is eroded by drilling fluid when the activation device is engaged in the seat. The activation device (10) is then able to pass through the seat (103) There is also described a method of operating a downhole tool having a seat (103) for engaging an activation device. The method includes the step of eroding at least a portion of the activation device with drilling fluid until it can pass through the seat.

IPC 8 full level

E21B 23/00 (2006.01); **E21B 34/14** (2006.01)

CPC (source: EP US)

E21B 23/00 (2013.01 - EP US); **E21B 23/0413** (2020.05 - EP US)

Citation (search report)

- [I] US 3339647 A 19670905 - KAMMERER JR ARCHER W
- [I] US 2799479 A 19570716 - KAMMERER ARCHER W
- [AP] EP 2333232 A2 20110615 - CORPRO SYSTEMS LTD [GB]
- [A] US 2799349 A 19570716 - CLARK JR EARNEST H

Cited by

RU2701001C2; GB2536441A; US9506342B2; US10570685B2

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 2492437 A2 20120829; EP 2492437 A3 20130410; EP 2492437 B1 20151209; GB 201103295 D0 20110413; US 2012217021 A1 20120830

DOCDB simple family (application)

EP 12157150 A 20120227; GB 201103295 A 20110225; US 201213405571 A 20120227