

Title (en)
Packer with integral mixer

Title (de)
Bohrlochverschluss mit integriertem Mischer

Title (fr)
Garniture d' étanchéité avec mélangeur intégré

Publication
EP 2009228 A3 20100728 (DE)

Application
EP 08009060 A 20080516

Priority
DE 202007008940 U 20070625

Abstract (en)
[origin: EP2009228A2] The closure has a packer pipe (2) with an inflatable body (3) and radial boreholes (6, 7) in the region of the body. A check valve (12) is arranged at an inlet side (11) and a shear plate (16) is arranged on an outlet side (15). The packer pipe includes an inner diameter (17) and an inner wall (18) that are formed with outer diameter and outer wall of a static mixer. The mixer is arranged between the check valve and the shear plate. A barrier is provided at a distance to the plate and limits the movement of the mixer.

IPC 8 full level
E21B 33/127 (2006.01); **E21D 20/02** (2006.01); **E21D 21/00** (2006.01)

CPC (source: EP)
E21B 33/127 (2013.01); **E21D 20/02** (2013.01); **E21D 21/0026** (2013.01); **E21D 21/0073** (2016.01)

Citation (search report)

- [Y] DE 4209802 C1 19930826
- [Y] DE 8006658 U1 19800626
- [A] DE 8906126 U1 19900419
- [A] DE 10135159 C1 20021031 - SCHMIDT & CO GMBH KRANZ [DE]
- [A] WO 03044324 A1 20030530 - CELTITE PTY LTD [AU], et al

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
DE 202007008940 U1 20071011; EP 2009228 A2 20081231; EP 2009228 A3 20100728; UA 100839 C2 20130211

DOCDB simple family (application)
DE 202007008940 U 20070625; EP 08009060 A 20080516; UA A200807941 A 20080611