

Title (en)

WELLBORE CEMENTING TOOL HAVING ONE WAY FLOW

Title (de)

BOHRLOCHZEMENTIERWERKZEUG MIT EINWEGE-FLUSS

Title (fr)

OUTIL DE CIMENTATION DE TROU DE FORAGE À ÉCOULEMENT À SENS UNIQUE

Publication

EP 2737167 A1 20140604 (EN)

Application

EP 12792178 A 20120522

Priority

- US 201161491302 P 20110530
- US 201161509763 P 20110720
- CA 2012000487 W 20120522

Abstract (en)

[origin: WO2012162792A1] A stage tool for reverse annular cementing a wellbore, comprising: a main body including a tubular wall with an outer surface and a longitudinal bore extending from a top end to a bottom end; a fluid port through the tubular wall providing fluidic access between the longitudinal bore and the outer surface; and a valve for controlling flow through the fluid port between the outer surface and the inner bore, the valve including a closure for the fluid port and a check valve for permitting one way flow through the fluid port in a direction from the outer surface to the inner bore, the check valve being normally inactive and only acting on fluid flows through the fluid port when activated. The stage tool may be run in closed and opened for cementing by hydraulic actuation of the valve. After sufficient cement has been introduced to the annulus, the stage tool fluid port can be closed to hold the cement in the annulus.

IPC 8 full level

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CPC (source: EP US)

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