Title (en)

DOWNHOLE FLAPPER VALVE ASSEMBLY

Title (de)

KLAPPENVENTILVORRICHTUNG FÜR BOHRLÖCHER

Title (fr)

ENSEMBLE OUTIL

Publication

EP 1144803 A3 20020911 (EN)

Application

EP 00954718 A 20000817

Priority

- GB 0003200 W 20000817
- GB 9919270 A 19990817

Abstract (en)

[origin: WO0112949A2] A tool assembly is disclosed which, in a preferred embodiment, is an isolation valve (10). The valve (10) is configurable in closed and open configurations and allows, for example, pressure testing of tubing above the valve (10) and isolation of upper and lower sections of the tubing. The valve (10) generally includes a concave valve flap (12), tubular housing (14), upper sleeve (16), annular seal assembly (18), first and second lower sleeves (20, 22) and a lower sleeve locking assembly (24). The valve flap (12) is movable from a closed configuration, where it lies substantially perpendicular to the housing (14), to an open configuration, where it lies in a recess (84) in the housing (14). This is achieved by supplying hydraulic control fluid through control conduits (17, 19) to move the sleeves (16, 20, 22) and displace the flap (12) into the recess (84), which is uncovered by the lower sleeves (20, 22).

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E21B 34/10

IPC 8 full level (invention and additional information)

E21B 34/10 (2006.01)

CPC (invention and additional information)

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Cited by

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DOCDB simple family

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