

Title (en)
DOWNHOLE FLAPPER VALVE ASSEMBLY

Title (de)
KLAPPENVENTILVORRICHTUNG FÜR BOHRLÖCHER

Title (fr)
ENSEMBLE OUTIL

Publication
EP 1144803 A2 20011017 (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).

IPC 1-7
E21B 34/10

IPC 8 full level
E21B 34/10 (2006.01)

CPC (source: EP)
E21B 34/10 (2013.01)

Cited by
GB2373802B

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 0112949 A2 20010222; WO 0112949 A3 20010830; AU 6707800 A 20010313; EP 1144803 A2 20011017; EP 1144803 A3 20020911; GB 9919270 D0 19991020

DOCDB simple family (application)
GB 0003200 W 20000817; AU 6707800 A 20000817; EP 00954718 A 20000817; GB 9919270 A 19990817