

Title (en)  
Downhole tool

Title (de)  
Bohrlochwerkzeug

Title (fr)  
Outil de fond de puits

Publication  
**EP 1006259 A2 20000607 (EN)**

Application  
**EP 99309270 A 19991122**

Priority  
US 20410398 A 19981201

Abstract (en)  
A downhole tool has a tubular valve housing (102,104,106,108), a valve closure member movable (132) between an open and a closed position, an axially movable opening flow tube (124,130) for opening the valve closure member (132). Hydraulic pressure from a control line (114) is used to move a first piston (118), which in turn moves the axially movable flow tube (124,130) through the closure member (132). A balance line (116) can be used to provide a hydrostatic pressure against a second piston (120). The downhole tool can be used as a subsurface safety valve. <IMAGE>  
<IMAGE> <IMAGE>

IPC 1-7  
**E21B 34/00**; **E21B 34/14**

IPC 8 full level  
**E21B 34/10** (2006.01); **E21B 34/00** (2006.01)

CPC (source: EP US)  
**E21B 34/10** (2013.01 - EP US); **E21B 2200/05** (2020.05 - EP US)

Cited by  
GB2418939B; GB2399113B; US7392849B2; GB2423780B; US9771769B2; US8640769B2

Designated contracting state (EPC)  
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