

Title (en)  
Downhole hydraulic pressure generator

Title (de)  
Hydraulischer Bohrlochdruckgenerator

Title (fr)  
Générateur de pression hydraulique de fond de puits

Publication  
**EP 1002933 A2 20000524 (EN)**

Application  
**EP 99307942 A 19991008**

Priority  
US 18479398 A 19981102

Abstract (en)  
A hydraulic pressure generator (14) provides pressurized fluid for actuation of well tools. The hydraulic pressure generator (14) comprises: a housing assembly (22); first and second fluid chambers (44,50) in the housing assembly (22); a piston (54) separating the first and second chambers (44,50); and a barrier device (42) isolating the first chamber (44) from fluid pressure in the well external to the housing assembly (22). The barrier device (42) is selectively actuatable to permit fluid communication between the first chamber (44) and the well external to the housing assembly (22), and thereby apply fluid pressure in the second chamber (50) greater than fluid pressure in the first chamber (44) by a predetermined amount.  
<IMAGE>

IPC 1-7  
**E21B 23/00**

IPC 8 full level  
**E21B 23/06** (2006.01); **E21B 33/128** (2006.01)

CPC (source: EP)  
**E21B 23/06** (2013.01); **E21B 33/1285** (2013.01)

Cited by  
CN108661594A; GB2435655A; GB2435655B; NO339374B1; US7938189B2; WO2009067021A3

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