

Title (en)
Underbalance drilling downhole choke

Title (de)
Drosselventil zum Unterdruckbohren

Title (fr)
Soupape d'étranglement de forage en sous-pressure

Publication
EP 1375817 A1 20040102 (EN)

Application
EP 02291569 A 20020624

Priority
EP 02291569 A 20020624

Abstract (en)
A method for underbalance drilling in a reservoir comprises operating a variable aperture of a downhole choke located at a downhole extremity of a drill string. The variable aperture allows to control a pressure differential between a drilling fluid pumped down the drill string from surface and flowing into the variable aperture of the choke, and the drilling fluid flowing out of the variable aperture, in order to achieve a negative differential pressure between a reservoir pressure and a bottom hole pressure at the downhole extremity of the drill string. <IMAGE>

IPC 1-7
E21B 21/10; **E21B 21/08**

IPC 8 full level
E21B 21/08 (2006.01); **E21B 21/10** (2006.01); **E21B 21/00** (2006.01)

CPC (source: EP US)
E21B 21/085 (2020.05 - EP US); **E21B 21/10** (2013.01 - EP)

Citation (applicant)
WO 0206634 A1 20020124 - SCHLUMBERGER TECHNOLOGY BV [NL], et al

Citation (search report)

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- [A] US 5355967 A 19941018 - MUELLER MARK D [US], et al
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