

Title (en)  
DYNAMIC ANNULAR PRESSURE CONTROL APPARATUS AND METHOD

Title (de)  
DAPC-VORRICHTUNG UND -VERFAHREN

Title (fr)  
APPAREIL ET PROCEDE DE REGULATION DE PRESSION DYNAMIQUE ANNULAIRE

Publication  
**EP 1488073 B2 20120801 (EN)**

Application  
**EP 03742832 A 20030219**

Priority  
• US 0305012 W 20030219  
• US 35822602 P 20020220

Abstract (en)  
[origin: WO03071091A1] A system and method for controlling formation pressures during drilling of a subterranean formation utilizing a selectively fluid backpressure system in which fluid is pumped down the drilling fluid return system in response to detected borehole pressures. A pressure monitoring system is further provided to monitor detected borehole pressures, model expected borehole pressures for further drilling and control the fluid backpressure system.

IPC 8 full level  
**E21B 21/08** (2006.01); **E21B 21/10** (2006.01); **E21B 44/00** (2006.01)

CPC (source: EP US)  
**E21B 21/08** (2013.01 - EP US); **E21B 21/106** (2013.01 - EP); **E21B 44/00** (2013.01 - EP)

Citation (opposition)  
Opponent :  
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• US 5168932 A 19921208 - WORRALL ROBERT N [NL], et al  
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• US 3552502 A 19710105 - WILSON WILLIAM PAUL SR  
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Designated contracting state (EPC)  
BE GB

DOCDB simple family (publication)  
**WO 03071091 A1 20030828; WO 03071091 A8 20041014; WO 03071091 A9 20040624;** AR 038529 A1 20050119;  
AU 2003211155 A1 20030909; AU 2003211155 B2 20080417; AU 2003211155 B9 20080605; CA 2477242 A1 20030828;  
CA 2477242 C 20110524; CN 100535380 C 20090902; CN 1643233 A 20050720; EG 23370 A 20050228; EP 1488073 A1 20041222;  
EP 1488073 B1 20060809; EP 1488073 B2 20120801; MX PA04008063 A 20050620; NO 20043906 L 20041117; NO 338967 B1 20161107;  
OA 12776 A 20060706; RU 2004127944 A 20050510; RU 2301319 C2 20070620

DOCDB simple family (application)  
**US 0305012 W 20030219;** AR P030100544 A 20030220; AU 2003211155 A 20030219; CA 2477242 A 20030219; CN 03806814 A 20030219;  
EG 2003020170 A 20030219; EP 03742832 A 20030219; MX PA04008063 A 20030219; NO 20043906 A 20040917; OA 1200400218 A 20030219;  
RU 2004127944 A 20030219