

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 :
• WO 0250398 A1 20020627 - IMPACT ENGINEERING SOLUTIONS L [GB], et al
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• US 5975219 A 19991102 - SPREHE PAUL ROBERT [US]
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• US 4630675 A 19861223 - NEIPLING LAWRENCE E [US], et al
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BE GB

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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

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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