

Title (en)
DOWN-HOLE DEVICE FOR TRANSMITTING INFORMATION FROM A WELL

Publication
EP 0214554 B1 19891123 (DE)

Application
EP 86111862 A 19860827

Priority
DE 3531226 A 19850831

Abstract (en)
[origin: US4784229A] A choker valve assembly for a drill string is provided for transmitting information measured in an underground bore hole by sensing devices, to the surface by modulating the pressure of the flushing fluid. The valve assembly includes a housing that is non-rotatably connected within the flushing fluid flow passage by cross-pieces extending between the housing and a portion of the inner pipe wall. A drag body valve element is mounted by the housing and is axially displaceable with respect to a tapered restriction portion of the inner pipe. Drive means for displacing the valve element is located outside the housing and extends between the valve element and the pipe wall through the cross-pieces. A cap is provided on each end of the valve element. The cap facing the direction of flushing fluid flow extends beyond the perimeter of the housing and the cap facing away from the direction of flushing fluid flow is entirely within the perimeter of the housing to provide a hydrodynamically pressure-compensated choker valve assembly.

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E21B 47/12

IPC 8 full level
E21B 47/20 (2012.01); **E21B 47/12** (2006.01); **E21B 47/18** (2012.01)

CPC (source: EP US)
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Cited by
AU651764B2; CN105573248A

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EP 0214554 A2 19870318; EP 0214554 A3 19870729; EP 0214554 B1 19891123; AT E48179 T1 19891215; AU 4123393 A 19930819; AU 5912590 A 19901101; AU 6212286 A 19870305; AU 651764 B2 19940728; BR 8604152 A 19870428; CA 1261816 A 19890926; DE 3531226 A1 19870319; DE 3531226 C2 19870924; DE 3667093 D1 19891228; JP S62117984 A 19870529; SU 1642958 A3 19910415; US 4784229 A 19881115; ZA 866610 B 19870527

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