

Title (en)
Hydraulically actuated sleeve valve for wells

Title (de)
Hydraulisch betätigtes Muffenventil für Erdbohrungen

Title (fr)
Obturbateur à manchon actionné hydrauliquement pour puits

Publication
EP 0735233 A3 20000628 (DE)

Application
EP 96104393 A 19960320

Priority
DE 19511722 A 19950330

Abstract (en)
[origin: EP0735233A2] The sleeve valve is installed in a tube string to connect its internal and external volumes. The significant novel feature here, is hydraulic actuation. In the new design the outer body (1) contains an integrated hydraulic unit (2). There is a piston (6) moving in seals (3) located on the hydraulic unit. These are set above and below the circulation openings (10) i.e. the slide valve ports. They also bound the cylindrical cavity (14), above and below. At the upper and lower ends of the cavity (14), there are passages (12, 13) for hydraulic fluid conducted through the hydraulic connections (7, 8). Seals (4) are also fastened to the piston enlargement (15), separating the cavity into two sealed chambers. The circulation ports through the piston (6) and outer body (1) are sealed from these.

IPC 1-7
E21B 34/10

IPC 8 full level
E21B 34/10 (2006.01)

CPC (source: EP)
E21B 34/10 (2013.01)

Citation (search report)
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Designated contracting state (EPC)
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