

Title (en)

APPARATUS FOR POSITIONING A TOOL OR INSTRUMENT IN A FLOW LINE, PARTICULARLY A DOWN-HOLE AUTONOMOUS HYDRAULIC PUMP OPERATING THROUGH THE TUBING IN A WELL

Publication

EP 0192558 B1 19880831 (FR)

Application

EP 86400288 A 19860211

Priority

FR 8502285 A 19850214

Abstract (en)

[origin: US4860825A] A device for positioning a tool or instrument in a duct and recovering the tool or instrument therefrom by causing a vector fluid to flow through the device. The device includes a tubular element adapted to be connected to the tool or instrument and an annular sealing arrangement mounted on the tubular element for sealing the tubular element in the duct. The tubular element includes an arrangement for selecting a direction of movement of the tool or instrument which includes a closing device for cooperating with a resilient conjugate piece and a device for reversing a direction of movement of the closing device. The cooperation of the closing device with the resilient conjugate piece occurs in at least three states. In the first state, the fluid flows through the tubular element in a first direction; in the second state, the fluid flow is stopped in a direction opposite to the first direction of fluid flow; and, in the third state, the fluid is stopped in the first direction. The reversal device is adapted for holding the closure device either in the first and second state while excluding the third state, or in the third state.

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IPC 8 full level

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CPC (source: EP US)

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