

Title (en)  
APPARATUS FOR SHUTTING OFF A CORE-BARREL MOUNTED ON A DRILL STRING

Publication  
**EP 0287548 B1 19910925 (FR)**

Application  
**EP 88870060 A 19880413**

Priority  
BE 8700395 A 19870414

Abstract (en)  
[origin: US4887676A] The invention relates to a device for closing, without a surge, one end of a core barrel installed in a mining or oil drilling rig, optionally equipped with a turbine. This device comprises a tubular element in whose bore there is guided a sliding member which provides a passage for the drilling liquid under pressure, this sliding member being movable in the above-mentioned bore under the influence of a variation in the flow of drilling liquid between a first position in which it keeps a closing member such as a ball remote from a seat provided at the above-mentioned end of the core barrel and, when it has engaged in the second section of the bore allows the closing element to be held in the first section of the bore, and a second position in which it allows the closing element to pass from the first section of the bore into the second section thereof and to place itself on the seat of the core barrel when the sliding member returns to its starting position.

IPC 1-7  
**E21B 21/10; E21B 25/00**

IPC 8 full level  
**E21B 21/10** (2006.01); **E21B 25/00** (2006.01)

CPC (source: EP US)  
**E21B 21/10** (2013.01 - EP US); **E21B 25/00** (2013.01 - EP US)

Cited by  
EP0588373A1; WO9119075A3

Designated contracting state (EPC)  
DE FR GB IT NL

DOCDB simple family (publication)  
**EP 0287548 A1 19881019; EP 0287548 B1 19910925**; BE 1000474 A3 19881220; DE 3865064 D1 19911031; NO 881603 D0 19880413; NO 881603 L 19881017; US 4887676 A 19891219

DOCDB simple family (application)  
**EP 88870060 A 19880413**; BE 8700395 A 19870414; DE 3865064 T 19880413; NO 881603 A 19880413; US 18134788 A 19880414