

Title (en)  
LOCKING DEVICE FOR A DRILLING DEVICE

Title (de)  
VERSCHLUSSVORRICHTUNG FÜR EIN BOHRGERÄT

Title (fr)  
DISPOSITIF DE VERROUILLAGE POUR UN DISPOSITIF DE FORAGE

Publication  
**EP 2417323 A4 20170621 (FR)**

Application  
**EP 10761159 A 20100408**

Priority  
• CA 2010000533 W 20100408  
• CA 2673317 A 20090409

Abstract (en)  
[origin: CA2673317C] The invention relates to a locking device for a drilling device including a locking body that is mountable in an outer tube, an unlocking tube that is slidably mountable about the locking body, two catches attached to the locking body and pivotable between an extended position, in which the catch engages with the outer tube in order to lock the locking body to said outer tube, and a retracted position for unlocking the locking body from the outer tube, a piston sliding around the locking body and rigidly connected to the unlocking tube, and a compression-spring mechanism pressing the piston towards the catches in order to retain said catches in the extended position thereof, a pull exerted on the unlocking tube compressing the spring mechanism to prevent the piston from pressing against the catches which are positioned in the retracted position thereof.

IPC 8 full level  
**E21B 23/02** (2006.01); **E21B 25/02** (2006.01)

CPC (source: EP US)  
**E21B 23/02** (2013.01 - EP US); **E21B 25/02** (2013.01 - EP US)

Citation (search report)  
• [A] US 3756331 A 19730904 - OKUYAMA Y, et al  
• [A] US 3120282 A 19640204 - PICKARD ALBERT F  
• [A] US 3333647 A 19670801 - JOHN KARICH, et al  
• See references of WO 2010115284A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**CA 2673317 A1 20100527; CA 2673317 C 20110705**; AU 2010234199 A1 20111201; CN 102482920 A 20120530; CN 102482920 B 20150408; EP 2417323 A1 20120215; EP 2417323 A4 20170621; EP 2417323 B1 20181010; HK 1171059 A1 20130315; TR 201900016 T4 20190221; US 2012090894 A1 20120419; US 9140084 B2 20150922; WO 2010115284 A1 20101014

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