

Title (en)  
Drilling head for drilling machine

Title (de)  
Bohrkopf für Tunnelbohrmaschine

Title (fr)  
Tête de forage pour machine de forage

Publication  
**EP 2206876 B1 20110921 (FR)**

Application  
**EP 09179620 A 20091217**

Priority  
FR 0859024 A 20081223

Abstract (en)  
[origin: EP2206876A1] The head has an external ferrule (20) including a flared portion (22) and a cylindrical portion (24), and mobile adjusting pads (44c, 44d) presenting a sliding face sliding along an external face of the flared portion of the ferrule and a contact face (46) in relation to an internal wall of a tunnel. A jack (50) moves each pad between an inactive position and a set of active positions. The contact face of the pad is completely placed inside a cylinder of diameter (Do) in the inactive position. A part of the contact face of the pad is at an exterior of the cylinder in the active positions. An independent claim is also included for a tunnel construction equipment comprising a drilling machine.

IPC 8 full level  
**E21B 7/06** (2006.01); **E21B 7/20** (2006.01); **E21B 17/10** (2006.01); **E21D 9/10** (2006.01); **E21D 9/11** (2006.01)

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**E21B 7/062** (2013.01); **E21B 7/201** (2013.01); **E21B 17/1014** (2013.01); **E21D 9/1093** (2013.01); **E21D 9/112** (2013.01)

Cited by  
CN104763712A; EP3388620A1; WO2018189273A1

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