

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)

CPC (source: EP)
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

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
EP 2206876 A1 20100714; EP 2206876 B1 20110921; AT E525548 T1 20111015; ES 2374206 T3 20120214; FR 2940347 A1 20100625; FR 2940347 B1 20110121

DOCDB simple family (application)
EP 09179620 A 20091217; AT 09179620 T 20091217; ES 09179620 T 20091217; FR 0859024 A 20081223