

Title (en)

JOINT ARRANGEMENT FOR COUPLING OF A DRILL SHOE

Title (de)

VERBINDUNGSANORDNUNG ZUM KOPPELN EINES BOHRSCHUHS

Title (fr)

DISPOSITIF D'ARTICULATION POUR L'ACCOUPLEMENT D'UN SABOT DE FORAGE

Publication

**EP 2265792 A1 20101229 (EN)**

Application

**EP 09722344 A 20090216**

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Abstract (en)

[origin: WO2009115638A1] The invention relates to a joint arrangement for coupling of a drill shoe, the drill shoe being meant to be used when drilling a hole into the ground with a protective tube by means of a drilling device (1) that has a casing part (2) acting as the protective tube and a drilling unit (3), in a drilling head of which there are at least first drilling means (4), such as a pilot, for drilling a center hole and second drilling means (5), such as a reamer, for forming of an actual drilling hole for the casing part (2) by reaming the center hole, and whereby the casing part (2) is arranged to be pulled into the hole to be drilled by means of a joint arrangement (L), comprising a drill shoe (X) to be attached to the casing part (2) preferably by welding (h1) and being coupled with the drilling unit (3) by coupling means that enable rotative motion of the drilling unit (3) with respect to the drill shoe and that transmit power in a longitudinal direction (s). The joint arrangement comprises a drill shoe (X; Xii) that is to be coupled with respect to the second drilling means (5) essentially internally therewith. Furthermore the drill shoe pulls the casing part (2) into the hole by a power influence (F) transmitted to the drill shoe from the second drilling means (5).

IPC 8 full level

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