

Title (en)

SINGLE PASS DRILLING APPARATUS, USE A ONE -PIECE DRILL BIT, METHOD AND ROCK BOLT FOR SINGLE PASS ROCK BOLTING.

Title (de)

EINDURCHGANGBOHRVORRICHTUNG, VERWENDUNG EINES EINSTÜCKIGEN BOHRERS, VERFAHREN UND GEBIRGSANKER FÜR EINDURCHGANG-GEIRGSVERANKERUNG

Title (fr)

APPAREIL DE FORAGE EN UN SEUL PASSAGE, UTILISATION D'UN TREPAN MONOBLOC, PROCEDE ET BOULON D'ANCRAGE POUR BOULONNAGE DES ROCHES EN UN SEUL PASSAGE.

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Application

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Priority

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Abstract (en)

[origin: WO2005085582A1] The present invention relates to a single pass drilling apparatus, a rock bolt, use of a drill bit and a method for single pass rock bolting for reinforcement and stabilization of excavations. The single pass drilling apparatus comprises an elongated drill steel (11) having a leading (12) and a trailing end (13) with reference to a drilling direction (F). The leading end (12) has a connection portion. A one-piece drill bit (16) is utilized having rock machining means (17,18;17'18'). The drill bit is connectable to the drill steel. The single pass drilling apparatus (10) further comprises a rock bolt (21;121,221;321) adapted to at least partially enclose the drill steel (11). The greatest diametrical dimension (DB) of the drill bit (16) is smaller than the smallest diametrical dimension (DI) of the rock bolt.

IPC 8 full level

E21B 10/66 (2006.01); **E21B 7/20** (2006.01); **E21B 10/64** (2006.01); **E21D 21/00** (2006.01)

IPC 8 main group level

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CPC (source: EP KR SE US)

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