

Title (en)

Pipe handling equipment and method for a rock drilling machine

Title (de)

Verfahren und Vorrichtung zum Handhaben von Rohren für eine Gesteinbohrmaschine

Title (fr)

Installation et procédé de manipulation de tiges pour une machine de forage de roche

Publication

**EP 0565502 B2 20000726 (EN)**

Application

**EP 93850062 A 19930330**

Priority

SE 9201119 A 19920407

Abstract (en)

[origin: EP0565502A1] Handling equipment for handling drill tubes at a rock drilling machine, comprising a feed beam (3) adjustable to different slopes, a drifter (20) which is moveable along the feed beam, and an adapter (21) which connects the drifter to the upper end of drill tubes for transmitting percussive and/or rotation power to such drill tubes. The handling equipment comprises a magazine (16) for the drill tubes positioned the feed beam so that the drill tubes in the magazines are essentially parallel with the feed, a grip member (10) for gripping the drill tubes and operation means (4 - 9) for moving a gripped drill tube to a drilling position at the feed beam for screwing on the adapter and possibly on drill tubes already in the hole. The magazine further comprises a spacing means (18) for cooperation with one end of an inner drill tube positioned inside each outer drill tube in the magazine for spacing said one end of the inner drill tube from the corresponding end of the outer drill tube, and a gripping means for gripping the inner drill tube at the portion extending from the outer drill tube during the movement from the magazine to the drilling position at the feed beam. <IMAGE>

IPC 1-7

**E21B 19/20**

IPC 8 full level

**E21B 7/20** (2006.01); **E21B 19/20** (2006.01)

CPC (source: EP)

**E21B 7/20** (2013.01); **E21B 19/20** (2013.01)

Citation (opposition)

Opponent :

EP 0379187 A1 19900725 - BAUER SPEZIALTIEFBAU [DE]

Cited by

US6085852A; DE10104337B4; DE10341437B4; EP0984132A3; DE10108696B4; EP0860582A1; EP0685630A3; AU2005313303B2; GB2312006A; DE19712641A1; GB2312006B; DE19712641B4; US7617887B2; WO2020190196A1; WO0216728A1; WO2006061459A1; EP1832710A1; US7735580B2; US6179065B1; US6550547B1; WO0151760A3; WO2022027147A1

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