

Title (en)

STEP TUBE ROD, AND DRILLING MACHINE

Title (de)

ABGESTUFTES ROHR UND BOHRMASCHINE

Title (fr)

TIGE TUBULAIRE A ETAGES ET MACHINE DE FORAGE

Publication

**EP 1382794 A1 20040121 (EN)**

Application

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Abstract (en)

In the present invention, in a drill rod for a boring machine, a rod outside diameter is large so as to be approximately equal to a bore diameter, external threads are provided at one end and internal threads are provided at the other end, and at least one small-diameter portion is formed near an internally threaded portion. This step tube rod can reduce a bore bend. <??>Also, for the boring machine using this step tube rod, the drill rod can be positioned easily, so that the connection and recovery work can be performed efficiently and safely. <IMAGE>

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