

Title (en)
DRILL BIT FOR ROTARY DRILLING RIG

Title (de)
BOHRKRONE FÜR EIN DREHBOHRGERÄT

Title (fr)
TRÉPAN POUR APPAREIL DE FORAGE ROTATIF

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Application
EP 21769322 A 20210429

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Abstract (en)
[origin: CN112267839A] The invention discloses a drill bit for a rotary drilling rig. The drill bit comprises a drill barrel, a connecting part is arranged at the upper end of the drill barrel, a cutting part is arranged at the lower end of the drill barrel, the drill barrel comprises a drill barrel body and an opening and closing barrel cover, a notch is longitudinally formed in the side wall of the drill barrel body, the opening end of the notch is located on the bottom end face of the drill barrel body, the opening and closing barrel cover is arranged at the notch, and the top of the opening and closing barrel cover is rotationally connected with the drilling barrel body through a first hinge; and the cutting part is provided with a first connecting end and a second connecting end which are oppositely arranged, and the first connecting end is rotationally connected with the bottom of the opening and closing barrel cover through a second hinge. The drill bit is novel in structure, the opening and closing barrel cover and the cutting part form an eccentric L-shaped structure, and when a door-shaped frame is separated from a hook, the opening and closing barrel cover is automatically separated from the drilling barrel body under the action of gravity, so that sludge automatically falls off.

IPC 8 full level
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