

Title (en)
ARRANGEMENT IN A DRILLING APPARATUS

Title (de)
BOHRVORRICHTUNG

Title (fr)
STRUCTURE INTERNE D'APPAREIL DE FORAGE

Publication
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Application
EP 98920553 A 19980506

Priority
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Abstract (en)
[origin: WO9851900A1] Arrangement in a drilling apparatus, at the drilling end (I) of which there is a drilling device (1), that includes at least drilling means (2) and hammering means (5) to drill a hole by means of the drilling means (2) made functional by a transmission arrangement situated at the driving end (II) of the drilling apparatus, by using a feeding motion along the longitudinal axis (s) of the drilling device (1) and a rotational motion (w) around the longitudinal axis (s) as well as hydraulic fluid being led to the hammering means (5) to achieve a to-and-fro or a like hammering motion (t). The drilling device (1) has jointing means (3) for attachment of a drill rod (4) removably to the same, whereby in connection with the jointing means (3) there has been arranged coupling means (6), that include locking means (6d1, 6d2), that while detaching/attaching a component by means of pressurized medium, essentially self-powered close/open at least the flow openings transmitting hydraulic fluid. The coupling means (6) are arranged to operate by means of hydraulic fluid in a way, that the flow openings leading hydraulic fluid between the hammering means (5) and the hydraulic system of the drilling apparatus and being placed one after another in the longitudinal direction (s) get open essentially simultaneously, by placing a displacement space (x) for hydraulic fluid enabling functioning of the coupling means (6) to the drilling device (1)

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