

Title (en)

PLANT FOR MAKING BORE-HOLES IN THE SIDE WALLS OF UNDERGROUND EXPLOITATION CHAMBERS OF SMALL WIDTH

Publication

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Application

EP 84900268 A 19831222

Priority

DE 3247921 A 19821224

Abstract (en)

[origin: WO8402555A1] In the mining industry, it is difficult to make mining bore-holes from a narrow breast into sidewalls perpendicularly to the direction of the breast chamber. The present invention provides to this aim a boring aggregate with a flexible boring shaft (5) comprised of a steel spiral which is guided in the direction (7) of the breast chamber and which changes direction inside the aggregate by turning substantially at right angles to take the direction (10) of the bore-hole. The deviation station (3) which is provided to this effect comprises in a preferred embodiment a rotary disk (11) fitted with pairs of cylinders (12), which receives considerable feed forces and reduces the wear of the flexible boring shaft (5). The washing fluid indispensable for the boring is supplied by a discharge pipe extending inside the flexible shaft (5), which is sealingly connected to the ends of the flexible shaft by means of special screw connections. For the steel spiral of the flexible shaft, there are provided special sections which are intended to prevent the turns from becoming twisted.

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