

Title (en)
Device for drilling boreholes in the soil.

Title (de)
Vorrichtung zum Bohren von Löchern im Boden.

Title (fr)
Dispositif de forage de trous dans le sol.

Publication
EP 0002160 A1 19790530 (FR)

Application
EP 78400189 A 19781117

Priority
FR 7734849 A 19771121

Abstract (en)
[origin: ES475233A1] In apparatus for drilling a hole in the ground comprising tubing for shoring up the walls of the drilled hole and a drilling member comprising a pneumatic percussion hammer having an eccentric cutting edge, the drilling member extending in the tubing and having a working position in which the cutting edge extends below the lower end of the tubing and a removal position in which the cutting edge is within the tubing, the extension tube for supplying gas to the hammer is connected to the hammer by a helicoidal telescopic connection which is rotatable through 180 DEG between retracted and extended positions, a decentring spline being mounted on that part of the telescopic connection connected to the extension tube and arranged so that, in the retracted position of the telescopic connection, assumed when the drilling member is in its working position, the cutting edge is diametrically opposite the spline and, in the extended position of the telescopic connection, assumed when the drilling member is in its removal position, the cutting edge is aligned with the spline.

Abstract (fr)
Dispositif de forage constitué d'un organe de forage comportant un marteau (1) fonctionnant à l'air comprimé transmis au marteau par des tubes allonges (3) et équipé d'un taillant excentré (2), et d'un tubage extérieur (3). La liaison des tubes allonges (3) avec le marteau (1) est réalisée au moyen d'un raccord télescopique hélicoïdal (9) qui comporte un ergot de décentrage (10) sur la partie liée aux tubes allonges, la course télescopique correspondant à une rotation relative de 180° de telle sorte que, en position rétractée, la partie excentrée du taillant (12) soit diamétralement opposée à l'ergot (10), et, en position développée, la partie excentrée du taillant soit placée au-dessous de l'ergot. Application au forage de trou dans le sol, en particulier dans des terrains non consolidés.

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IPC 8 full level
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CPC (source: EP US)
E21B 7/208 (2013.01 - EP US); **E21B 10/265** (2020.05 - EP US); **E21B 10/66** (2013.01 - EP US)

Citation (search report)

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