

Title (en)
Drill head

Title (de)
Bohrkopf

Title (fr)
Tête de forage

Publication
EP 1279793 A1 20030129 (DE)

Application
EP 02015007 A 20020704

Priority
DE 10136468 A 20010726

Abstract (en)
The drill head (2), for drilling into the ground, has a threaded core which tapers to a leading point in a continuous screw. The outer circumference has a stepped contour, seen in cross section, with horizontal (12) and vertical (14) step surfaces. The screw forms a continuous threaded projection (16) at the outer circumference, with its under side (18) flush with a horizontal step surface in cross section. The upper side (20) of the threaded projection is at an acute angle to its under side. The threaded projection has a radial extension of 1-5% of the maximum diameter of the threaded core at 10-20 mm.
The drill head (2), for drilling into the ground, has a threaded core which tapers to a leading point in a continuous screw. The outer circumference has a stepped contour, seen in cross section, with horizontal (12) and vertical (14) step surfaces. The screw forms a continuous threaded projection (16) at the outer circumference, with its under side (18) flush with a horizontal step surface in cross section. The upper side (20) of the threaded projection is at an acute angle to its under side. The threaded projection has a radial extension of 1-5% of the maximum diameter of the threaded core at 10-20 mm.

Abstract (de)
Ein Bohrkopf weist einen Gewindekern auf, der sich von einem größeren Durchmesser an seinem hinteren Ende zu einer Spitze an seinem vorderen Ende kontinuierlich schraubenförmig verjüngt, so daß der Außenumfang des Gewindekerns im Querschnitt gesehen eine stufenförmige Kontur mit horizontalen und vertikalen Stufenflächen bildet. Am Außenumfang des Gewindekerns ist eine umlaufende Nase vorgesehen.

IPC 1-7
E21B 10/44; **E02D 5/36**

IPC 8 full level
E02D 5/36 (2006.01); **E21B 7/26** (2006.01); **E21B 10/44** (2006.01)

CPC (source: EP US)
E02D 5/36 (2013.01 - EP); **E21B 7/26** (2013.01 - EP US); **E21B 10/44** (2013.01 - EP)

Citation (search report)
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