

Title (en)

A tool and method of boring and filling the borehole with concrete without removing soil therefrom.

Title (de)

Werkzeug und Verfahren zum Bohren ohne Erdaustrag und Füllen des Bohrloches mit Beton.

Title (fr)

Outil et méthode de forage sans déchargement de sol et remplissage du trou de forage avec du béton.

Publication

**EP 0664373 A3 19960424 (EN)**

Application

**EP 95100599 A 19950118**

Priority

IT TO940029 A 19940121

Abstract (en)

[origin: EP0664373A2] A boring tool (10), particularly for use in concrete foundation pile construction, adapted for mounting to the lower end of a rod string (11) rotating about its longitudinal axis (x) and advancing along this axis. The boring tool comprises a roller (12) idly mounted with respect to the rods (11) and rotatable about an axis (y) inclined with respect to the longitudinal axis (x). The roller (12) has end portions (12a, 12b) located on opposite sides with respect to axis (x). The lower end portion (12b) of the roller (12) is fitted with a cutting bit (15) for disgregating soil. The roller has a fuse-like side surface and tapered upper (12a) and lower (12b) end portions, and a larger median portion (12c). <IMAGE>

IPC 1-7

**E21B 10/08**; **E02D 5/36**

IPC 8 full level

**E02D 5/36** (2006.01); **E21B 7/26** (2006.01); **E21B 10/08** (2006.01); **E21B 10/20** (2006.01); **E21B 33/13** (2006.01)

CPC (source: EP US)

**E02D 5/36** (2013.01 - EP); **E21B 7/26** (2013.01 - EP US); **E21B 10/083** (2013.01 - EP); **E21B 10/20** (2013.01 - EP); **E21B 33/13** (2013.01 - EP)

Citation (search report)

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- [X] EP 0044817 A2 19820127 - TREYVAUD RENE
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