

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 B1 20000517 (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; E21B 7/26; E21B 33/13; E21B 10/20

IPC 8 full level

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CPC (source: EP US)

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