

Title (en)

Apparatus for producing drilled piles

Title (de)

Vorrichtung zur Herstellung von Bohrpfählen

Title (fr)

Machine pour la réalisation de pieux forés

Publication

EP 1394351 B1 20060405 (DE)

Application

EP 03016165 A 20030716

Priority

DE 10238082 A 20020821

Abstract (en)

[origin: EP1394351A2] Device used in the production of bored pile comprises a continuous screw (1) surrounded almost over its entire screw length with a rotating sleeve tube (3). During boring, the sleeve tube is rotated in or against the direction of rotation of the screw, and the screw and the sleeve tube are simultaneously inserted in the ground. To facilitate material removal, the surface roughness of the screw surface (2) facing in the conveying direction is partly or completely increased relative to the roughness of rolled surfaces by additional processing. The increased surface roughness extends at least over the screw length necessary for conveying. Preferred Features: The surface roughness is produced by punctiform or linear elevations and/or recesses produced by welding, burning, rolling, pressing, drilling, stamping or metal-cutting processes at least on the surface facing in the conveying direction.

IPC 8 full level

E21B 17/22 (2006.01); **E02D 5/38** (2006.01); **E21B 7/00** (2006.01); **E21B 10/44** (2006.01)

CPC (source: EP US)

E02D 5/385 (2013.01 - EP US); **E21B 17/22** (2013.01 - EP US)

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Designated contracting state (EPC)

AT CH DE LI

DOCDB simple family (publication)

EP 1394351 A2 20040303; **EP 1394351 A3 20050302**; **EP 1394351 B1 20060405**; AT E322605 T1 20060415; DE 10238082 B3 20040212; DE 50302874 D1 20060518; JP 2004076578 A 20040311; JP 3874748 B2 20070131; US 2004105728 A1 20040603; US 6994494 B2 20060207

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EP 03016165 A 20030716; AT 03016165 T 20030716; DE 10238082 A 20020821; DE 50302874 T 20030716; JP 2003294911 A 20030819; US 64256803 A 20030818