

Title (en)

Apparatus and method for producing bearing columns sunk in the ground

Title (de)

Vorrichtung und Verfahren zur Herstellung von im Boden versenkten Tragsäulen

Title (fr)

Dispositif et méthode pour la constitution de colonnes porteuses noyées dans le sol

Publication

EP 1081290 A3 20021106 (DE)

Application

EP 00118471 A 20000825

Priority

DE 19941302 A 19990831

Abstract (en)

[origin: EP1081290A2] The device has a ram lance (12), in which a material shaft (15) runs vertically in the working position and about which a cylindrical pipe (21) is displaceably mounted with little play. The pipe can be fixed in several positions along the ram lance length using a coupling device (22). The ram lance is connected to a high frequency vibrator (11) and has a lower advance point (13). The material shaft has an opening and closing mechanism (14) near the lower advance point. An Independent claim is included for a method for using the device.

IPC 1-7

E02D 5/38; **E02D 5/44**; **E02D 7/30**

IPC 8 full level

E02D 5/38 (2006.01); **E02D 5/44** (2006.01)

CPC (source: EP)

E02D 3/08 (2013.01); **E02D 3/123** (2013.01); **E02D 5/385** (2013.01); **E02D 5/44** (2013.01); **E02D 7/14** (2013.01)

Citation (search report)

- [A] US 2830443 A 19580415 - BURRELL HAROLD P
- [DA] DE 971834 C 19590416 - SOCOFONDA S A
- [A] PATENT ABSTRACTS OF JAPAN vol. 010, no. 331 (M - 533) 11 November 1986 (1986-11-11)
- [A] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 06 28 June 1996 (1996-06-28)

Cited by

ITTO20090282A1; NL2005298C2; NL1021410C2; EP1288375A1; DE102015105701A1; DE10219862A1; DE10219862B4; WO03091503A1

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