

Title (en)
CONCRETE PILE AND METHOD FOR POSITIONING IT IN THE GROUND

Title (de)
BETONPFAHL SOWIE VERFAHREN ZU SEINEM EINBRINGEN INS ERDREICH

Title (fr)
PIEU EN BETON ET PROCEDE SERVANT A LE PLACER DANS LE SOL

Publication
EP 1071854 B1 20030611 (EN)

Application
EP 99914802 A 19990408

Priority
• NL 9900209 W 19990408
• NL 1008856 A 19980409

Abstract (en)
[origin: WO9953147A1] Concrete pile (1) for supporting structures a certain distance above ground level (M), such as viaducts and the like. The pile is characterized in that it is entirely prefabricated and comprises a hollow cylindrical shaft (2), which contains an upper pier section (2a) and a foundation section (2b). The foundation section has an open bottom end (3) and is in its area which adjoins the said open end provided with an external screw thread (4, 5), for screwing said pile in the ground. The shaft of said pile containing a number of ducts (20), which are distributed over the circumference, which ducts open out on the outside of the shaft in the area of the external screw thread. The invention also relates to a method for positioning said pile in the ground, said method being characterized in that while the pile is being screwed in, a liquid medium is injected on its outside via the ducts (20) and the position of the pile while it is being screwed in is controlled by varying locally along the external circumference of the pile, the volume and/or pressure of the supplied liquid medium.

IPC 1-7
E02D 5/32; **E02D 5/56**; **E02D 7/26**; **E02D 9/00**

IPC 8 full level
E02D 5/32 (2006.01); **E02D 5/56** (2006.01); **E02D 7/26** (2006.01); **E02D 9/00** (2006.01)

CPC (source: EP)
E02D 5/32 (2013.01); **E02D 5/56** (2013.01); **E02D 7/26** (2013.01); **E02D 9/005** (2013.01)

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9953147 A1 19991021; AT E242825 T1 20030615; AU 3346399 A 19991101; DE 69908768 D1 20030717; DE 69908768 T2 20040519; EP 1071854 A1 20010131; EP 1071854 B1 20030611; NL 1008856 C1 19991012

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NL 9900209 W 19990408; AT 99914802 T 19990408; AU 3346399 A 19990408; DE 69908768 T 19990408; EP 99914802 A 19990408; NL 1008856 A 19980409