

Title (en)  
Method and apparatus for obtaining a cast in situ concrete pile

Title (de)  
Verfahren und Vorrichtung zur Herstellung eines Ortbetonpfahls

Title (fr)  
Procédé et dispositif pour l'obtention d'un pieu en béton coulé in situ

Publication  
**EP 1134319 B1 20050727 (DE)**

Application  
**EP 01106639 A 20010316**

Priority  
DE 10013446 A 20000317

Abstract (en)  
[origin: EP1134319A2] To shape a buried concrete pillar, a pipe (21) with a leading end cover (22) is driven into the ground by a vibrating unit (18) at the rear end. The pipe is filled with concrete, which is compressed by vibration. The pipe (21) is withdrawn, leaving the end cover (22) in place. During vibration (18), a driving force (15) is applied to the pipe (21).

IPC 1-7  
**E02D 5/38**; **E02D 7/18**; **E02D 5/46**; **E02D 5/30**; **E02D 5/44**; **E02D 5/70**; **E02D 3/10**

IPC 8 full level  
**A61P 11/00** (2006.01); **B01J 31/08** (2006.01); **E02D 3/10** (2006.01); **E02D 5/38** (2006.01); **E02D 5/44** (2006.01); **E02D 7/16** (2006.01); **E02D 7/18** (2006.01); **G01N 33/574** (2006.01)

CPC (source: EP)  
**E02D 3/08** (2013.01); **E02D 3/123** (2013.01); **E02D 5/385** (2013.01); **E02D 7/14** (2013.01); **E02D 7/16** (2013.01); **E02D 7/18** (2013.01)

Cited by  
WO2020192821A1; DE102019108100B3; EP1884600A1; EP1726719A1; EP1983112A1; DE10310727B4; CN102444121A; CN113338271A; NL2021375B1; CN113202087A; US11725356B2; WO2020022882A1; IT201900012816A1

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