

Title (en)

Method for making column members

Title (de)

Verfahren zum Herstellen von Säulen

Title (fr)

Méthode pour construire des colonnes

Publication

EP 1234916 B1 20060524 (DE)

Application

EP 02003803 A 20020220

Priority

DE 10108602 A 20010222

Abstract (en)

[origin: EP1234916A2] Process for producing columns in ground having at least one unstable ground layer comprises shaking a displacement device (17) from the ground surface (11) through a non-supporting ground layer up to a supported ground layer (13, 14), constructing a lower column section (20) supported by the supported ground layer, inserting a tubular sleeve (22) from the ground surface into the lower column section, and filling the sleeve with material to form an upper column section supported by the sleeve. Independent claims are also included for a column body and an improved/stabilized building ground in which column bodies are distributed. Preferred Features: The material used to fill the upper column section is made from sand, water, concrete, stone, ballast, or gravel. The sleeve is made from a steel sheet, composite material or plastic.

IPC 8 full level

E02D 3/08 (2006.01); **E02D 5/38** (2006.01); **E02D 5/44** (2006.01); **E02D 5/48** (2006.01); **E02D 5/66** (2006.01)

CPC (source: EP)

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

Cited by

EP2616591A4; CN102444119A; EP1937900A4; CN111851479A; EP1888848A4; US8562258B2; US10513831B2; WO2013175208A3; WO2022021469A1; WO2006127571A2; US8079780B2; WO2011001297A1; WO2011098081A3; WO2007041250A2; US8128319B2; US7488139B2; WO2012037089A2; EP3118375A1; US10858796B2; US11479935B2; US12012715B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1234916 A2 20020828; **EP 1234916 A3 20021218**; **EP 1234916 B1 20060524**; AT E327389 T1 20060615; DE 10108602 A1 20020912; DE 50206850 D1 20060629

DOCDB simple family (application)

EP 02003803 A 20020220; AT 02003803 T 20020220; DE 10108602 A 20010222; DE 50206850 T 20020220