

Title (en)

Apparatus for forming piles of soil stabilised and compacted in situ

Title (de)

Vorrichtung zur vor Ort-Herstellung von Pfählen aus verfestigter und verdichteter Erde

Title (fr)

Dispositif perfectionné pour la réalisation en place de colonnes de sol stabilisé et compacté

Publication

EP 0663475 B1 19980304 (FR)

Application

EP 95400033 A 19950106

Priority

FR 9400380 A 19940114

Abstract (en)

[origin: EP0663475A1] The machine has two or more parallel shafts (1) equipped with rotary augers (2) with cutting heads (3) on their free ends, with the distance between the axes of the shafts smaller than the diameter of the augers. The shafts and augers have through channels (1a,5a) for delivering a fluid for mixing with the soil. The shafts and augers are in even numbers - at least four - and are situated, when viewed from above, at the corners of a regular polygon, such a hexagon or octagon. The machine is driven by a motor and reduction gear system (8,9) and is used e.g. suspended from a crane.

IPC 1-7

E02D 5/18; E02D 3/12

IPC 8 full level

E02D 5/46 (2006.01); **E02D 3/08** (2006.01); **E02D 3/12** (2006.01); **E02D 5/18** (2006.01)

CPC (source: EP US)

E02D 3/126 (2013.01 - EP US); **E02D 5/18** (2013.01 - EP US)

Cited by

EP2666911A1; CN105507248A; CN104631449A; EP3508555A1; EP1741836A1; CN105625393A; WO2019138319A3

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 0663475 A1 19950719; EP 0663475 B1 19980304; AT E163704 T1 19980315; AU 1013395 A 19950727; AU 682731 B2 19971016;
DE 69501668 D1 19980409; DK 0663475 T3 19980928; ES 2114723 T3 19980601; FR 2715177 A1 19950721; FR 2715177 B1 19960301;
HK 1004609 A1 19981127; JP H0835223 A 19960206; MY 131724 A 20070830; SG 52201 A1 19980928; US 5738465 A 19980414

DOCDB simple family (application)

EP 95400033 A 19950106; AT 95400033 T 19950106; AU 1013395 A 19950111; DE 69501668 T 19950106; DK 95400033 T 19950106;
ES 95400033 T 19950106; FR 9400380 A 19940114; HK 98103760 A 19980502; JP 501695 A 19950117; MY PI9403503 A 19941223;
SG 1996000093 A 19950106; US 69611796 A 19960813