

Title (en)

Process and apparatus for stabilising light soils with insufficient bearing strength

Title (de)

Verfahren und Vorrichtung zur Stabilisierung van bindigen Böden mit ungenügender Tragfähigkeit

Title (fr)

Procédé et dispositif pour stabiliser les sols meubles de portance insuffisante

Publication

**EP 0732452 B1 20000105 (DE)**

Application

**EP 96103299 A 19960304**

Priority

- DE 19509054 A 19950314
- DE 19509053 A 19950314

Abstract (en)

[origin: EP0732452A1] The stamp (14) is set in rotation by a rotary drive (13) and is pressed into the ground along a linear guide (3), fitted on a frame (2) of the device, by a positioning drive (1). At the free end (17) of the stamp is an upwardly widening penetration head (18). The penetration head has at least one through-passage (20) which connects the space on the conveyor worm with the space (43) beneath the penetration head. The penetration head is rotation-symmetrically formed and at its widest point has a greater dia. (D1) than the conveyor worm (16). The penetration head is formed by a reinforced end of the conveyor worm, which in the area of its free end is provided with at least two spirals.

IPC 1-7

**E02D 3/08**

IPC 8 full level

**E02D 3/08** (2006.01)

CPC (source: EP)

**E02D 3/08** (2013.01)

Cited by

BE1010918A3; DE10219862B4; EP1672125A1

Designated contracting state (EPC)

AT CH DE LI NL

DOCDB simple family (publication)

**EP 0732452 A1 19960918; EP 0732452 B1 20000105**; AT E188528 T1 20000115; DE 59604074 D1 20000210; JP 3258227 B2 20020218; JP H08291517 A 19961105

DOCDB simple family (application)

**EP 96103299 A 19960304**; AT 96103299 T 19960304; DE 59604074 T 19960304; JP 5767296 A 19960314