

Title (en)

PROCESS AND DEVICE FOR LAYING DEEP FOUNDATIONS

Title (de)

VORRICHTUNG UND VERFAHREN ZUR HERSTELLUNG VON TIEFGRÜNDUNGEN

Title (fr)

PROCEDE ET DISPOSITIF DE CREUSEMENT DE FONDATIONS PROFONDES

Publication

**EP 0791110 A1 19970827 (DE)**

Application

**EP 95934258 A 19951018**

Priority

- DE 4441335 A 19941108
- IB 9500935 W 19951018

Abstract (en)

[origin: DE4441335A1] A process and device are disclosed for laying deep foundations, such as pile foundations, subterranean curtains or foundations with prefabricated parts. The device has a motor-driven cutter with at least one cutting head and means for evacuating the excavated earth from the cavity and for supporting the walls of the cavity. The object of the invention is to develop a process and device for laying deep foundations in as short a time as possible using a simple technology. For that purpose, the device has a separating element (2, 27) and other elements designed or arranged on the device and/or separating element (2, 27) that allow the device to be used both for excavating the cavity and for subsequently filling the concrete body remaining in the ground. The device allows the excavated sludge to be used as cavity supporting medium.

IPC 1-7

**E02D 17/13**

IPC 8 full level

**E02D 5/18** (2006.01); **E02D 5/50** (2006.01); **E02D 27/12** (2006.01)

CPC (source: EP)

**E02D 3/126** (2013.01); **E02D 5/18** (2013.01); **E02D 5/50** (2013.01); **E02D 27/12** (2013.01)

Citation (search report)

See references of WO 9614475A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**DE 4441335 A1 19960509**; AU 3671895 A 19960531; EP 0791110 A1 19970827; WO 9614475 A1 19960517

DOCDB simple family (application)

**DE 4441335 A 19941108**; AU 3671895 A 19951018; EP 95934258 A 19951018; IB 9500935 W 19951018