

Title (en)

Method for strengthening a foundation and drilling tool therefor

Title (de)

Verfahren zur Fundamentsicherung sowie Bohr- und Mischwerkzeug

Title (fr)

Procedée de renforcement du fondations par injection

Publication

EP 1630299 A1 20060301 (DE)

Application

EP 05017483 A 20050811

Priority

DE 102004038896 A 20040811

Abstract (en)

Method for sinking a foundation comprises passing the foundation into a borehole with a first small diameter and deep mortaring with a second larger diameter below the foundation. An independent claim is also included for a drilling and mixing tool for carrying out the above method. Preferred Features: Deep mortaring is carried out with a diameter which can be varied in height and is started by pulling the drilling and mixing tool.

IPC 8 full level

E02D 5/44 (2006.01); **E02D 27/48** (2006.01); **E02D 35/00** (2006.01)

CPC (source: EP)

E02D 5/44 (2013.01); **E02D 27/48** (2013.01); **E02D 35/00** (2013.01)

Citation (applicant)

- DE 19726240 C1 19990204 - KELLER GRUNDBAU GMBH [DE]
- DE 4319239 A1 19941215 - BAUER SPEZIALTIEFBAU [DE]
- DE 3728270 A1 19890601 - KLEMM BOHRTECH [DE]
- US 4701078 A 19871020 - JSE LIN J [TW]

Citation (search report)

- [X] DE 4319239 A1 19941215 - BAUER SPEZIALTIEFBAU [DE]
- [X] DE 19726240 C1 19990204 - KELLER GRUNDBAU GMBH [DE]
- [X] DE 3728270 A1 19890601 - KLEMM BOHRTECH [DE]

Cited by

EP1878833A1; FR2903711A1

Designated contracting state (EPC)

BE CH DE FR LI PL

DOCDB simple family (publication)

EP 1630299 A1 20060301; **EP 1630299 B1 20100714**; DE 102004038896 A1 20060223; DE 502005009888 D1 20100826; PL 1630299 T3 20101130

DOCDB simple family (application)

EP 05017483 A 20050811; DE 102004038896 A 20040811; DE 502005009888 T 20050811; PL 05017483 T 20050811