

Title (en)

Method of constructing a shaft and an apparatus for constructing a shaft

Title (de)

Verfahren zur Herstellung eines Schachtbauwerks und Vorrichtung zu dessen Herstellung

Title (fr)

Procédé pour la construction d'un puit, et dispositif pour la construction

Publication

EP 0874088 A2 19981028 (EN)

Application

EP 98107467 A 19980423

Priority

JP 10641397 A 19970423

Abstract (en)

A high strength shaft, by which wasteful consumption of casing material is reduced, is constructed. After an excavation casing (1) is pressed and driven into the ground and earth inside the driven excavation casing (1) is discharged, an earth-retaining casing (2) is inserted into the excavation casing (1) and a concrete bottom plate (7) is cast in the earth-retaining casing (2), and thereafter, the excavation casing (1) is removed from the ground while a hardening agent (8) is poured into the space between the excavation casing (1) and the earth-retaining casing (2) so that a shaft is constructed. <IMAGE>

IPC 1-7

E02D 29/12; E03F 5/02; E02D 7/28

IPC 8 full level

E02D 17/08 (2006.01); **E02D 5/66** (2006.01); **E02D 29/12** (2006.01); **E21D 5/01** (2006.01); **E21D 5/10** (2006.01); **E02D 5/38** (2006.01); **E02D 7/20** (2006.01); **E02D 7/28** (2006.01)

CPC (source: EP)

E02D 5/66 (2013.01); **E02D 29/12** (2013.01); **E02D 29/128** (2013.01); **E02D 5/385** (2013.01); **E02D 7/20** (2013.01); **E02D 7/28** (2013.01)

Cited by

US11220800B2; CN114439043A; US9970173B2

Designated contracting state (EPC)

AT DE DK FR GB NL

DOCDB simple family (publication)

EP 0874088 A2 19981028; **EP 0874088 A3 19990331**; JP 3683069 B2 20050817; JP H10299377 A 19981110

DOCDB simple family (application)

EP 98107467 A 19980423; JP 10641397 A 19970423