

Title (en)

Hollow auger for casting piles in situ, and drilling device including at least two such augers.

Title (de)

Hohler Schneckenbohrer zur Herstellung von Ortbetonpfähler, und Bohrvorrichtung mit mindestens zwei dieser Schneckenbohrer.

Title (fr)

Tarière creuse pour la réalisation de pieux moulés dans le sol, et dispositif de forage comportant au moins deux de ces tarières.

Publication

EP 0517329 A1 19921209 (FR)

Application

EP 92201589 A 19920603

Priority

FR 9106993 A 19910605

Abstract (en)

The auger comprises a hollow support tube (4) comprising an external blade (10), an injection tube (15) extending inside the hollow support tube (4) with which it delimits an annular volume (16), and a sealing piston (18) placed in the annular volume (16) and firmly attached to the lower end of the injection tube (15). In addition, holding means (20) are fitted in order to lock the injection tube (15) in rotation and enable this tube and the support tube (4) to move simultaneously in translation, and centring means (19) placed in the annular volume (16) and firmly attached to the injection tube (15) enable the support tube (4) to rotate about this tube (15). <IMAGE>

IPC 1-7

E02D 5/36; **E02D 5/62**; **E02D 15/04**; **E21B 10/44**; **E21B 34/10**; **E21B 47/06**

IPC 8 full level

E02D 5/36 (2006.01); **E02D 5/62** (2006.01); **E02D 15/04** (2006.01); **E21B 10/44** (2006.01); **E21B 33/13** (2006.01); **E21B 34/10** (2006.01); **E21B 47/06** (2012.01)

CPC (source: EP)

E02D 5/36 (2013.01); **E02D 5/62** (2013.01); **E02D 15/04** (2013.01); **E21B 10/44** (2013.01); **E21B 33/13** (2013.01); **E21B 34/10** (2013.01); **E21B 47/06** (2013.01)

Citation (search report)

- [X] US 3807184 A 19740430 - TURZILLO L
- [Y] EP 0394617 A1 19901031 - BAUER SPEZIALTIEFBAU [DE]
- [A] FR 2566813 A1 19860103 - SOLETANCHE [FR]
- [AD] EP 0378348 A1 19900718 - KITANAKA KATSUMI
- [A] DE 3303262 A1 19840802 - KRUPP GMBH [DE]
- [A] US 4193307 A 19800318 - BAKER GERALD S [US], et al
- [A] GB 2010361 A 19790627 - BOVER K
- [A] US 2517820 A 19500808 - FRIDTJOF AAGAARD

Cited by

EP0940505A3; CN112924070A; ES2168078A1; EP1477633A3; EP1580323A1; JP2021518888A; EP3784839A4; WO0050358A1; WO9714852A3; WO2019204866A1; US11441285B2; US7134511B2; US10995563B2; US11136837B2; WO0190488A1

Designated contracting state (EPC)

BE DE ES FR GB IT PT

DOCDB simple family (publication)

EP 0517329 A1 19921209; **EP 0517329 B1 19950920**; DE 69204911 D1 19951026; DE 69204911 T2 19960530; FR 2677385 A1 19921211

DOCDB simple family (application)

EP 92201589 A 19920603; DE 69204911 T 19920603; FR 9106993 A 19910605