

Title (en)

Foundation piles, methods, tools and devices for the construction of these piles.

Title (de)

Gründungspfähle, Verfahren, Geräte und Vorrichtungen zur Herstellung dieser Pfähle.

Title (fr)

Pieux de fondation, procédés, outils et machines pour la construction desdits pieux.

Publication

EP 0404703 A1 19901227 (FR)

Application

EP 90430015 A 19900620

Priority

FR 8908578 A 19890621

Abstract (en)

The invention relates to foundation piles and to methods, tools and machines for the construction of these piles. A pile according to the invention comprises a cooperating casing (1) which is composed of prefabricated reinforced-concrete or prestressed-concrete tubular elements (1a, 1b, etc.) which have an outside diameter of between 300 and 500 mm and a thickness of the order of 80 to 100 mm, which are joined end-to-end by means of resin-sealed connecting bars (3) and which have radial channels (2). It comprises, furthermore, a filling (4) of concrete, cement grout, sand, etc., which is injected under pressure into the surrounding earth by way of the channels (2). To drive the casing elements into the ground, an auger is used which passes inside the casing and which carries a cutting tool at its end. One application is the construction of foundation piles in current civil engineering works and buildings. <IMAGE>

IPC 1-7

E02D 5/50; **E02D 5/52**; **E02D 5/62**

IPC 8 full level

E02D 5/50 (2006.01); **E02D 5/52** (2006.01); **E02D 5/62** (2006.01)

CPC (source: EP)

E02D 5/50 (2013.01); **E02D 5/523** (2013.01); **E02D 5/62** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

BE CH DE ES GB IT LI NL SE

DOCDB simple family (publication)

EP 0404703 A1 19901227; FR 2648839 A1 19901228; FR 2648839 B1 19931112; OA 09182 A 19920331

DOCDB simple family (application)

EP 90430015 A 19900620; FR 8908578 A 19890621; OA 59810 A 19900621