

Title (en)
Apparatus and method for producing a high pressure grouted foundation pile

Title (de)
Einrichtung und Verfahren zur Errichtung eines Hochdruckinjektionspfahls

Title (fr)
Dispositif et procédé de fabrication d'un pieu par injection à haute pression

Publication
EP 1099799 B1 20090715 (EN)

Application
EP 00870269 A 20001110

Priority
BE 9900736 A 19991110

Abstract (en)
[origin: EP1099799A2] This invention relates to device for constructing a foundation pile, the device comprising a driving for rotating and displacing a drill head (2) into the ground, the drill head (2) comprising at least one hole (4) for ejecting a liquid into the ground surrounding the drill head (2), the at least one hole (4) being connected to a supply for the liquid, the drill head (2) being connectable to a pipe (3), wherein the drill head (2) comprises at least one high pressure ejection nozzle (4) for ejecting a viscous, settable liquid into the ground surrounding the drill head to cut the ground, the pipe (3) having a hollow inner space connected to a high pressure device for supplying the viscous liquid at a pressure of at least 50 bar towards and through the inner space towards the at least one ejection nozzle (4). <IMAGE>

IPC 8 full level
E02D 3/12 (2006.01); **E02D 5/46** (2006.01); **E02D 7/24** (2006.01); **E02D 7/26** (2006.01); **E02D 19/16** (2006.01); **E02D 31/00** (2006.01); **E21B 6/00** (2006.01); **E21B 7/20** (2006.01); **E21B 10/16** (2006.01); **E21B 10/60** (2006.01); **E21D 20/02** (2006.01)

CPC (source: EP)
E02D 5/46 (2013.01); **E02D 7/24** (2013.01); **E02D 7/26** (2013.01)

Cited by
CN109098197A; CN103556645A

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1099799 A2 20010516; **EP 1099799 A3 20020911**; **EP 1099799 B1 20090715**; DE 60042545 D1 20090827

DOCDB simple family (application)
EP 00870269 A 20001110; DE 60042545 T 20001110