

Title (en)
Concreting device for rotary heads of continuous flight augers

Title (de)
Einrichtung für Betonierung durch die Drehköpfe der Bohrschnecken

Title (fr)
Dispositif de bétonnage pour les têtes de rotation des tarières

Publication
EP 1186718 A1 20020313 (EN)

Application
EP 01500221 A 20010827

Priority
ES 200002183 A 20000906

Abstract (en)
Concreting device for rotary heads of continuous flight augers (C.F.A.). It consists of a "kelly" bar (1) annexed to the rotary head (2) of a piling rig. Inside the bar a double-effect hydraulic cylinder (3) is placed. The concreting tube (6) is attached to the cylinder's piston (5), therefore the tube being able to switch between two positions: the retracted one (boring phase) and the extended one (concreting phase). During the latter, the lowermost part of the tube (6) is placed below the nose of the boring auger. By means of this device, the concreting tube (6) does not take away any length from the boring rig mast. The invention allows to join in a single rig the advantages of traditional and STARSOL piling systems. <IMAGE>

IPC 1-7
E02D 5/36

IPC 8 full level
E02D 5/36 (2006.01)

CPC (source: EP)
E02D 5/36 (2013.01); **E02D 2250/0038** (2013.01)

Citation (search report)
• [E] FR 2807455 A1 20011012 - CIE DU SOL [FR]
• [A] FR 2566813 A1 19860103 - SOLETANCHE [FR]
• [A] US 3604214 A 19710914 - TURZILLO LEE A

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FR2862080A1; FR3051218A1; EP2295645A1; AU2010212434B2; US8550187B2

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 1186718 A1 20020313; ES 2168078 A1 20020516; ES 2168078 B1 20040101

DOCDB simple family (application)
EP 01500221 A 20010827; ES 200002183 A 20000906