Title (en)

IMPROVEMENTS IN OR RELATING TO METHODS AND APPARATUS FOR USE IN FORMING PILES

Title (de)

VERBESSERUNGEN AN ODER IM ZUSAMMENHANG MIT VERFAHREN UND VORRICHTUNGEN ZUR HERSTELLUNG VON PFÄHLEN

Title (fr)

AMÉLIORATIONS APPORTÉES OU ASSOCIÉES À DES PROCÉDÉS ET APPAREIL DESTINÉ À FORMER DES PIEUX

Publication

EP 2944726 A1 20151118 (EN)

Application

EP 15165040 A 20150424

Priority

GB 201407579 A 20140430

Abstract (en)

Pile forming apparatus 10 includes an auger 12 and hollow member 14. The hollow member 14 is open-ended at 16. An external projection 18 forms a helical flight. In use, the auger 12 is positioned within the hollow member 14, to extend through the mouth 16 of the hollow member 14. The auger 12 and the hollow member 14 are each rotatable and are rotatable relative to each other. In use, the auger 12 draws spoil into the hollow member 14 and the hollow member 14 advances into the ground by engagement of the helical flight 18 with the surrounding ground. The speed and relative speed of the auger 12 and the hollow member 14 controls the degree of compaction created within the ground around the apparatus 10.

IPC 8 full level

E02D 5/36 (2006.01)

CPC (source: EP GB)

E02D 5/36 (2013.01 - EP); **E02D 5/56** (2013.01 - GB); **E02D 7/06** (2013.01 - GB); **E02D 7/22** (2013.01 - GB); **E02D 7/28** (2013.01 - GB); **E02D 7/30** (2013.01 - GB); E02D 5/52 (2013.01 - GB)

Citation (search report)

- [A] US 5219246 A 19930615 - COUTTS PETER G [AU], et al
- [A] WO 9518892 A1 19950713 - ROXBURY LTD [GB], et al
- [A] JP 2005220594 A 20050818 - NIPPON BEESU KK

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

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DOCDB simple family (application)

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