

Title (en)  
METHOD FOR CASTING PILES BY MEANS OF A DRIVE-OUT SCREW

Publication  
**EP 0131562 B1 19861210 (FR)**

Application  
**EP 84870097 A 19840709**

Priority  
BE 211135 A 19830707

Abstract (en)  
[origin: EP0131562A1] 1. A process for sinking a screw pile into the ground by means of equipment consisting of a tube (2) and a drilling head comprising a helical screw (3), the diameter of the said drilling head increasing to the desired diameter of the shaft of the pile, and a free drilling point (6) with uni-directional stops (7), which drilling head is screwed to the depth required with the aid of a rotary table (9) with a pressure mechanism (10), characterized in that the above-mentioned equipment has applied to it, when it is being unscrewed back upwards, a tractive power sufficient to make the upward displacement of the tube greater than the displacement resulting from the rotation of the drilling head in view of the thread pitch, so that an empty space in the form of a helix appears, which space has a section such that it can be taken into account in the calculation of the load-bearing capacity.

IPC 1-7  
**E02D 5/36**; **E02D 7/22**

IPC 8 full level  
**E02D 5/36** (2006.01); **E02D 7/22** (2006.01)

CPC (source: EP)  
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Cited by  
AU585755B2; US6283231B1; FR2806110A1

Designated contracting state (EPC)  
DE FR GB

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**EP 0131562 A1 19850116**; **EP 0131562 B1 19861210**; DE 3461663 D1 19870122

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