

Title (en)  
A GROUND ANCHOR DEVICE

Publication  
**EP 0033305 B1 19841017 (EN)**

Application  
**EP 81850010 A 19810116**

Priority  
SE 8000532 A 19800123

Abstract (en)  
[origin: EP0033305A1] A ground anchor device comprises a plate (13), which in use rests upon the ground, a stanchion (12, 25, 30) or the like projecting from one face of the plate as well as a helical member (11) adapted to be screwed into the ground. The helical member is formed as an open helix (22, 28, 31), and at the plate there is at least one vertical stay (23, 27) for bracing the helix, which, by itself, will not have a satisfactory lateral rigidity, as it lacks a core. The stays can be formed as short rods (23), preferably of semi-circular cross-section, which are welded to the plate (13), inside the helix (22, 31), and extend downwardly over at least two windings of the helix, to be welded thereto. Alternatively the stay may consist of a length of tube (27) from the end of which remote from the plate the helix (28) issues. The tube (27) is preferably provided with at least one opening (29) for the escape of soil being forced upwards by the helix.

IPC 1-7  
**E02D 5/80**

IPC 8 full level  
**E02D 5/80** (2006.01)

CPC (source: EP)  
**E02D 5/801** (2013.01); **E02D 2200/1671** (2013.01)

Citation (examination)  
• FR 867153 A 19411003  
• US 2447444 A 19480817 - WAITE PHILIP M  
• GB 798426 A 19580723 - KENNETH DOUGLAS MONTROSE

Cited by  
GB2299609A; DE4424339A1; DE4424339C2; EP0947420A1; FR2776982A1

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