

Title (en)  
GROUND ANCHOR

Title (de)  
ERDANKER

Title (fr)  
TIRANT D'ANCRAGE

Publication  
**EP 1360379 B1 20041013 (DE)**

Application  
**EP 01909558 A 20010202**

Priority  
DE 0100424 W 20010202

Abstract (en)  
[origin: WO02061210A1] Ground anchor designed to be screwed into the ground, comprising a shaft (3), whose upper end (8a) is provided with a bearing part (8) that can be placed on the ground, and a manipulation device (9). Said anchor has several screw-thread blades (5, 6, 7) consisting of a flat material, which spiral around the shaft (3), are arranged along the shaft (3) at a distance from one another in an offset manner, and respectively consist of a screw thread with upper and lower blade ends (11, 12). The length of the thread of the individual blades (5, 6, 7) slightly exceeds 360 DEG , so that the perimeter of the blade ends (11, 12) overlaps, forming a cutting gap (11a) that is delimited by a plane on its upper and lower borders. The exterior diameter of the blades (5, 6, 7) decreases from blade to blade from the bearing part (8) down towards the lower end of the shaft. The shaft tip (22) is configured in the same manner as a wood-screw shaft, with a conical core (23) that tapers towards the tip of the free lower shaft end (25) and a continuous thread (27) spiralling around said core (23).

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

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

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