

Title (en)  
GROUND ANCHOR

Title (de)  
BODENANKER

Title (fr)  
DISPOSITIF D'ANCRAGE DANS UN SOL MULTICOUCHES

Publication  
**EP 2513378 B1 20151104 (FR)**

Application  
**EP 10773370 A 20100928**

Priority  
• FR 2009052578 W 20091216  
• FR 2010052031 W 20100928

Abstract (en)  
[origin: WO2011073545A1] The invention relates to an anchoring device wherein a positioning plate (5), intended for bearing on the ground surface, is mounted onto a hollow rod (2). The rod consecutively supports, from the positioning plate (5) to the free end (22), at least one helical force disk (6) then one helical penetration disk (8). Said anchoring device is characterized in that the rod extends after the helical penetration disk opposite the plate (5). Said anchoring device is moreover characterized in that a bit (4) is placed on the free end of said rod so that a first portion of the rod (2), capable of being screwed into at least one first ground layer, extends from the plate (5) to the helical penetration disk and moreover so that a second portion of the rod (2), capable of being anchored in a second ground layer, extends from the helical penetration disk (8) to the bit (4).

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

CPC (source: EP)  
**E02D 5/80** (2013.01); **E02D 5/801** (2013.01); **E02D 5/808** (2013.01)

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 SE SI SK SM TR

Designated extension state (EPC)  
BA ME RS

DOCDB simple family (publication)  
**WO 2011073545 A1 20110623**; EP 2513378 A1 20121024; EP 2513378 B1 20151104

DOCDB simple family (application)  
**FR 2010052031 W 20100928**; EP 10773370 A 20100928