

Title (en)
System and method for fixing a rod-shaped or post-shaped object in the ground with multi-section holder part which can be screwed into the ground

Title (de)
System und Verfahren zum befestigen eines stab-oder pfeostenförmigen Gegenstandes im Erdboden mit in den Erdboden einschraubbarem mehrteiligen Aufnahmeteil

Title (fr)
Système et procédé de fixation d'un objet en forme de mât ou de poteau dans le sol en terre avec une partie réceptrice en plusieurs pièces pouvant être vissées sur le sol en terre

Publication
EP 2003270 A3 20140122 (DE)

Application
EP 08104331 A 20080610

Priority
DE 102007027545 A 20070615

Abstract (en)
[origin: EP2003270A2] The system comprises an externally-threaded (2), holder shell (1) for the post (or rod), which is screwed into the ground. In a first stage the holder is constructed by pushing a number of holder shells (5, 6, 7) onto a matching core (4), relative to which they cannot rotate. The holder, once screwed (3) into the ground, surrounds the post with clearance. This clearance is filled completely. The filler introduced is e.g. sand, gravel, chippings, concrete or other bulk material. Independent claims are included for the following: (A) the method of fixing the rod or post; (B) and the tool (3) used with the fastening system.

IPC 8 full level
E04H 12/22 (2006.01); **E02D 5/80** (2006.01)

CPC (source: EP)
E02D 5/801 (2013.01); **E04H 12/2223** (2013.01)

Citation (search report)
• [XY] DE 20312771 U1 20031106 - WUESTER HEINRICH [AT]
• [XY] DE 20304257 U1 20030522 - HSU SHIH HAO [TW]
• [XDAY] DE 102005023465 B3 20070118 - KRINNER INNOVATION GMBH [DE]
• [XA] DE 10214083 A1 20031016 - KRINNER INNOVATION GMBH [DE]
• [XA] FR 2378198 A1 19780818 - TARDIEU ANDRE [FR]

Cited by
NL2001768C2; EP3581756A1; AT16568U1; US2021353037A1; US11930912B2; US11525308B2; WO2019238411A1; WO2012139149A1; DE102021130720B3; WO2023094395A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 2003270 A2 20081217; EP 2003270 A3 20140122; EP 2003270 B1 20140820; DE 102007027545 A1 20081224; DE 102007027545 B4 20140703

DOCDB simple family (application)
EP 08104331 A 20080610; DE 102007027545 A 20070615