

Title (en)

Clamping device on a stand for mounting a pole-shaped part, in particular a Christmas tree, and stand with clamping device

Title (de)

Spanneinrichtung an einem Ständer zum Aufspannen eines stabförmigen Teiles, insbesondere eines Christbaumes, und Ständer mit Spanneinrichtung

Title (fr)

Dispositif de serrage sur un support destiné à serrer un élément en forme de tige, en particulier un arbre de Noël, et support doté d'un dispositif de serrage

Publication

**EP 1834554 A3 20080702 (DE)**

Application

**EP 07005390 A 20070315**

Priority

DE 102006012424 A 20060317

Abstract (en)

[origin: EP1834554A2] The tensioning device on a stand (2) for tensioning a rod-form component (3), especially a Christmas tree, includes a force transmission element (4) which by one end is wound on a rotatable tensioning component (5), wherein for operating the rotatable tensioning component, a drive wheel (7) is provided, the diameter of which is a multiple of the diameter of the rotatable tensioning component. The drive wheel shares with the rotatable tensioning component a common axis (18) and is connected to it in a torsionally fixed manner. An independent claim is included for a stand for tensioning a rod-form element, especially a Christmas tree, equipped with the proposed tensioning device.

IPC 8 full level

**A47G 33/12** (2006.01)

CPC (source: EP US)

**A47G 33/1213** (2013.01 - EP US); **Y10T 24/2117** (2015.01 - EP US); **Y10T 24/2147** (2015.01 - EP US)

Citation (search report)

- [DX] DE 3932473 A1 19910411 - KRINNER KLAUS [DE]
- [X] DE 20309947 U1 20031009 - KRINNER INNOVATION GMBH [DE]
- [X] DE 202004014508 U1 20050203 - SCHULZ PETRA [DE]
- [A] US 5467959 A 19951121 - BEHRINGER MARK R [US]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

**EP 1834554 A2 20070919; EP 1834554 A3 20080702; EP 1834554 B1 20100512**; AT E467372 T1 20100515; CN 101038063 A 20070919; CN 101038063 B 20120215; DE 102006012424 A1 20070920; DE 102006012424 B4 20100602; DE 102006012424 C5 20171123; DE 502007003686 D1 20100624; PL 1834554 T3 20101029; US 2007235621 A1 20071011; US 7618022 B2 20091117

DOCDB simple family (application)

**EP 07005390 A 20070315**; AT 07005390 T 20070315; CN 200710087799 A 20070319; DE 102006012424 A 20060317; DE 502007003686 T 20070315; PL 07005390 T 20070315; US 72313007 A 20070316