

Title (en)

A SPACE AND LEVEL ADJUSTER AND JOIST DEVICE FOR A FLOOR CONSTRUCTION

Title (de)

RAUM- UND HÖHENEINSTELLER SOWIE BALKENVORRICHTUNG FÜR EINE BODENKONSTRUKTION

Title (fr)

DISPOSITIF DE RÉGLAGE D'ESPACE ET DE NIVEAU, ET DISPOSITIF DE SOLIVE DE CONSTRUCTION DE PLANCHER

Publication

**EP 2438253 A1 20120411 (EN)**

Application

**EP 10783645 A 20100528**

Priority

- SE 2010000145 W 20100528
- SE 0900742 A 20090601

Abstract (en)

[origin: WO2010140946A1] A space and level adjuster (10) of a floor construction (1), whose joists (4) have vertical drill holes (8), wherein the adjusters comprise screws (11) and joist sleeves (13) with support flanges (19), which abut against a bottom planar surface of the joists (4). According to the invention, the joist sleeve comprises engagements means for fastening the joist sleeve to the joist, said engagement means comprising one or several radial, first protrusions (18), which are formed on the outside (22) of an intermediate portion (47) of the joist sleeve in order to form a stable engagement joint with the joist by penetrating into the wood material, said engagement joint providing a predetermined, axial locking force which is greater than the lift force the joist subjects the engagement joint to due to external loads. Furthermore, the joist sleeve has reinforcement means, which are arranged at the lower end portion (46) of the joist sleeve for reinforcing the connection of the support flange with the sleeve wall (21), said reinforcement means comprising a circumferential, lower extension (20) of the sleeve wall, in an axial direction downward, as seen from the support flange, as well as in a radial direction outward, as seen from the sleeve wall whereby the sleeve wall is thicker at the lower end portion than at the intermediate portion.

IPC 8 full level

**E04F 15/024** (2006.01); **E04B 5/48** (2006.01); **E04F 15/02** (2006.01); **F16B 33/00** (2006.01); **F16B 37/12** (2006.01)

CPC (source: EP SE)

**E04B 5/48** (2013.01 - SE); **E04F 15/02044** (2013.01 - EP); **E04F 15/02183** (2013.01 - EP); **E04F 15/02476** (2013.01 - SE); **F16B 33/002** (2013.01 - EP); **F16B 37/122** (2013.01 - EP); **E04F 2015/02061** (2013.01 - EP)

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

DOCDB simple family (publication)

**WO 2010140946 A1 20101209**; EP 2438253 A1 20120411; EP 2438253 A4 20140521; SE 0900742 A1 20101202; SE 533835 C2 20110201

DOCDB simple family (application)

**SE 2010000145 W 20100528**; EP 10783645 A 20100528; SE 0900742 A 20090601