

Title (en)

METHOD AND DEVICE FOR INSERTING TONGUES INTO A GROOVE

Title (de)

VERFAHREN UND VORRICHTUNG ZUM EINSETZEN VON FEDERN IN EINE NUT

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR L'INSERTION DE LANGUETTES DANS UNE RAINURE

Publication

**EP 2300204 A2 20110330 (DE)**

Application

**EP 09772922 A 20090629**

Priority

- IB 2009006829 W 20090629
- DE 102008030281 A 20080630

Abstract (en)

[origin: DE102008030281B3] The method involves providing springs (3) on a transition belt (6) by removably sticking springs on sections of the transition belt, where the transition belt is provided with the springs as a winding coil (2). The springs are detachably connected with the transition belt, where the transition belt exhibits a surface contour adapted to the geometry of the springs. The springs are released from the transition belt. The springs are shifted into a groove (4) in element plates (5) for locking the element plates with one another. An independent claim is also included for a spring inserting device comprising a drive unit.

IPC 8 full level

**B27M 3/04** (2006.01); **E04F 15/02** (2006.01)

CPC (source: EP US)

**B27M 3/0066** (2013.01 - EP US); **B27M 3/04** (2013.01 - EP US); **E04F 15/02038** (2013.01 - EP US); **E04F 2201/0138** (2013.01 - EP US); **E04F 2201/0153** (2013.01 - EP US); **E04F 2201/0523** (2013.01 - EP US); **E04F 2201/0541** (2013.01 - EP US); **Y10T 29/49863** (2015.01 - EP US); **Y10T 29/49872** (2015.01 - EP US); **Y10T 29/49901** (2015.01 - EP US); **Y10T 29/53613** (2015.01 - EP US)

Citation (search report)

See references of WO 2010001262A2

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

**DE 102008030281 B3 20091029**; CN 102066064 A 20110518; CN 102066064 B 20121226; EP 2300204 A2 20110330; EP 2300204 B1 20120815; EP 2300204 B8 20120919; PL 2300204 T3 20130131; US 2011094083 A1 20110428; US 8650738 B2 20140218; WO 2010001262 A2 20100107; WO 2010001262 A3 20100225

DOCDB simple family (application)

**DE 102008030281 A 20080630**; CN 200980122506 A 20090629; EP 09772922 A 20090629; IB 2009006829 W 20090629; PL 09772922 T 20090629; US 200913000249 A 20090629