Title (en)
Device and method for conveying springs

Title (de)
Vorrichtung und Verfahren zum Überführen von Federn

Title (fr)
Dispositif et procédé destinés à transférer des ressorts

Publication
EP 2316783 B1 20121003 (DE)

Application
EP 09013531 A 20091027

Priority
EP 09013531 A 20091027

Abstract (en)
[origin: EP2316783A1] The device (50) has transfer devices (51) supported in a movable manner between number of positions (51a), in which transfer devices are aligned for receiving springs (61-64). The transfer devices transport the received springs between two of positions, during movement of the transfer devices. Output devices comprise a slider (16) and are aligned to selectively output the springs from the transfer devices at one of multiple output positions, which differ from each other at pair wise. Flaps are provided for form-fit supporting of the springs. An independent claim is also included for a method for conveying springs to the spring conveyor for the machine for manufacturing the pocket spring string.

IPC 8 full level
B68G 9/00 (2006.01)

CPC (source: EP US)
B21F 35/00 (2013.01 - US); **B68G 9/00** (2013.01 - EP US)

Cited by
EP2886222A1; EP2524896A1; EP2801420A1; WO2012159892A1; WO2015090695A1; WO2016118865A1; US9862553B2; US10172474B2; US10365638B2; US9839301B2; US10525557B2; US10455950B2; US10696540B2; US9592845B2; US9713836B2; US10272611B2

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 MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
EP 2316783 A1 20110504; **EP 2316783 B1 20121003**; CN 102712459 A 20121003; CN 102712459 B 20160316; DK 2316783 T3 20121126; JP 2013508171 A 20130307; JP 5698250 B2 20150408; PL 2316783 T3 20130329; US 2012275895 A1 20121101; US 9670053 B2 20170606; WO 2011050929 A1 20110505

DOCDB simple family (application)
EP 09013531 A 20091027; CN 201080048807 A 20101022; DK 09013531 T 20091027; EP 2010006474 W 20101022; JP 2012535664 A 20101022; PL 09013531 T 20091027; US 201013503790 A 20101022