

Title (en)

Spring transfer device and spring transfer method

Title (de)

Federübertragungsvorrichtung und Federübertragungsverfahren

Title (fr)

Dispositif et procédé de transfert de ressort

Publication

EP 2801420 B1 20180627 (EN)

Application

EP 13167245 A 20130510

Priority

EP 13167245 A 20130510

Abstract (en)

[origin: EP2801420A1] A spring transfer device (50) and a spring transfer method for transferring a spring (30) from a spring coiling machine (200) to a spring transport unit (300), wherein the spring (30) is taken over from the spring coiling machine (200) at a first location and is moved to a second location for transfer to the spring transport unit (300). A pivot mechanism (51-59) is provided for pivoting the spring (30), during the movement from the first location to the second location, from a first orientation, which the spring (30) has at the first location, to a second orientation, which the spring (30) has at the second location and which is substantially perpendicular to the first orientation. Preferably, the pivot mechanism (51-59) is coupled with a rotating mechanism (70-87) that simultaneously rotates the spring (30) about its longitudinal axis.

IPC 8 full level

B21F 33/04 (2006.01); **B23Q 7/16** (2006.01); **B68G 9/00** (2006.01)

CPC (source: EP RU)

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Cited by

EP3670437A1; WO2020126476A1; WO2017074273A1; US11352218B2; EP3670020A1; WO2020126450A1

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