

Title (en)

AUTOMATIC ASSEMBLY OF GLUELESS POCKETED SPRING UNITS

Title (de)

AUTOMATISCHE ANORDNUNG VON KLEBSTOFFLOSEN TASCHENFEDEREINHEITEN

Title (fr)

ASSEMBLAGE AUTOMATIQUE D'UNITÉS À RESSORTS ENSACHÉS SANS COLLE

Publication

**EP 3571004 B1 20211020 (EN)**

Application

**EP 18742370 A 20180108**

Priority

- US 201762446845 P 20170117
- US 2018012785 W 20180108

Abstract (en)

[origin: CN110730703A] Methods and systems for no-glue pocketed spring unit construction. Rows of pocketed springs modules, comprising more than two pocketed springs surrounding a central hole, can be automatically loaded onto an assembler; pocketed spring- surrounded openings can be automatically aligned with welding phalanges; and probe/anvil welding pairs can be inserted into modules in different rows of modules, closed around polymer pocket fabric, and activated to weld rows of modules together without glue; without a user manually loading rows of modules onto the assembler.

IPC 8 full level

**B68G 15/00** (2006.01)

CPC (source: EP)

**B68G 15/00** (2013.01)

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 RS SE SI SK SM TR

DOCDB simple family (publication)

CN 110730703 A 20200124; CN 110730703 B 20211102; EP 3571004 A1 20191127; EP 3571004 A4 20200715; EP 3571004 B1 20211020; ES 2899875 T3 20220315; PL 3571004 T3 20220221

DOCDB simple family (application)

CN 201880015935 A 20180108; EP 18742370 A 20180108; ES 18742370 T 20180108; PL 18742370 T 20180108