

Title (en)

POCKETED SPRING COMFORT LAYER AND METHOD OF MAKING SAME

Title (de)

KOMFORTSCHICHT FÜR TASCHENFEDER UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

COUCHE DE CONFORT À RESSORTS ENSACHÉS ET PROCÉDÉ DE FABRICATION ASSOCIÉ

Publication

EP 4142546 A4 20240501 (EN)

Application

EP 21796765 A 20210415

Priority

- US 202016861586 A 20200429
- US 2021027436 W 20210415

Abstract (en)

[origin: WO2021221917A1] A comfort layer (56e) for a bedding or seating product has slow-acting pockets (95, 101, 105) characterized by the individual mini coil springs (28) of the comfort layer (56e) being pocketed with either semi-impermeable or impermeable fabric. Each weld seam (70e) joining opposed plies (65e, 67e) of fabric around each of the coil springs (28) of the comfort layer (56e) may be segmented, allowing air to flow between the segments (81e, 68e, 70e), thereby increasing the luxury "feel" of the comfort layer (56e). The method of making the comfort layer (56e) includes compressing the mini coil springs (28) and creating pockets (95, 101, 105) with a welding horn and an anvil.

IPC 8 full level

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CPC (source: EP)

A47C 27/064 (2013.01); **B21F 27/16** (2013.01); **B21F 33/04** (2013.01); **B68G 9/00** (2013.01)

Citation (search report)

- [X] US 2017283245 A1 20171005 - LONG AUSTIN G [US]
- [XI] CA 3082198 A1 20190503 - STARSPPRINGS AB [SE]
- See also references of WO 2021221917A1

Designated contracting state (EPC)

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