

Title (en)
BUFFER PAD AND PACKAGING BAG

Title (de)
PUFFERKISSEN UND VERPACKUNGSBEUTEL

Title (fr)
COUSSIN TAMPON ET SAC D'EMBALLAGE

Publication
EP 4306440 A4 20240626 (EN)

Applicaton
EP 22923265 A 20220822

Priority
CN 2022114057 W 20220822

Abstract (en)
[origin: EP4306440A1] The present disclosure providing a cushion pad (100, 300) includes at least one cushion unit (10, 30) including at least one die-cutting region (10, 320), a length of the die-cutting region (10, 320) increased when the die-cutting region (10, 320) is unfolded; the die-cutting region (10, 320) is unfolded to form a buffer layer that causes a second surface (32) to expand in a thickness direction of the second surface (32) to play a buffering and protective role thereof; the die-cutting region (10, 320) is unfolded to form a three-dimensional network structure. The present disclosure also provides that a packaging bag (200, 400) with the cushion pad (100, 300) is of a plane structure after production; when the packaging bag (200, 400) is used after being transportation, an object is put into the packaging bag or applying a pushing force to the packaging bag so that the cushion pad (100, 300) is expanded to form the buffer layer (14, 321), to protect the object inside the packaging bag (200, 400). The cushion pad (100, 300) and the packaging bag (200, 400) are of plane structures after being manufactured, which can save transportation costs; the cushion pad (100, 300) can be expanded by placing objects or stretching the cushion pad (100, 300) when in use, the cushion pad (100, 300) can be used as a cushion material for filling or wrapping the object, and the packaging bag (200, 400) is used for receiving the object.

IPC 8 full level
B65D 81/03 (2006.01)

CPC (source: EP)
B65D 81/03 (2013.01)

Citation (search report)

- [X] JP 2022002968 A 20220111 - OJI HOLDINGS CORP
- [X] JP H11268769 A 19991005 - TANAKAYA CO LTD
- [E] WO 2022182691 A1 20220901 - AUTOMATED PACKAGING SYSTEMS LLC [US]
- See also references of WO 2023142461A1

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

Designated extension state (EPC)
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