

Title (en)
Packaging for aligning articles and associated assembly of packaging and merchandise

Title (de)
Verpackung zum Ausrichten von Gegenständen und zugehörige Anordnung

Title (fr)
Dispositif d'alignement d'articles et ensemble associe

Publication
EP 2724954 A1 20140430 (EN)

Application
EP 13171082 A 20130607

Priority
NL 1039695 A 20120625

Abstract (en)
A packaging (1) comprising a container (3) provided with an article take-out opening (4), a push member (8) for articles (2), which is connected to a pull element (9) having a longitudinal axis, and which push member is slidably arranged between a first end (6) of the container and a second end (5) of the container, and wherein the pull element extends between the push member and said first end of the container, and the push member is provided with a push surface (11) which projects laterally, a stabilization element (12) attached to the push member, which ensures that during movement of the push member with the concomitant displacement of the products present in the container, the angle included by said push surface and the longitudinal axis of the pull element remains sufficiently small to prevent products present in the container from falling over, wherein the stabilization element is compressible in a direction parallel to the longitudinal axis of the pull element to an extent such that a state is reached where the thickness of the stabilization element is equal to the thickness of one or several layers of plate material, and the packaging is provided with spring means which pre-tension the push member, in the compressed state thereof, in the direction of an expanded state. The stabilization element may have an inverted V-shape.

IPC 8 full level
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CPC (source: EP)
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Citation (applicant)
US 2005258113 A1 20051124 - CLOSE JAMES G [US], et al

Citation (search report)
• [XAI] WO 2011151410 A1 20111208 - FINK BERNHARD [AT], et al
• [XAI] DE 102005056162 A1 20070712 - MTC TRADING COMPANY GMBH [DE]
• [XA] US 6076670 A 20000620 - YERANOSSIAN KARL [US]
• [A] US 4588093 A 19860513 - FIELD FRANK P [US]
• [A] DE 4211569 A1 19931014 - LUX ERICH [DE]
• [A] DE 202006007162 U1 20061228 - SCA VERPACKUNG & DISPLAY VERTR [DE]

Cited by
CN111295115A; CN107207119A; CN107235215A; GB2526058A; US11178980B2; EP3173358A1; WO2018209379A1

Designated contracting state (EPC)
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