

Title (en)

Folding unit for producing folded packages from sealed packs

Title (de)

Falteinheit zur Herstellung gefalteter Verpackungen aus versiegelten Verpackungen

Title (fr)

Unité de pliage pour produire des emballages pliés à partir de paquets scellés

Publication

EP 3020642 A1 20160518 (EN)

Application

EP 14192679 A 20141111

Priority

EP 14192679 A 20141111

Abstract (en)

A folding unit (1) for producing a package (2) from a sealed pack (3) having a main portion (7), an end portion (9) and a fin (18) projecting from said end portion (9), said folding unit (1) comprises a conveyor (60) that is fed with said pack (3) and that feeds said pack (3) along a forming path (B), folding means (24) that interact with said pack (3) along said forming path (B) to fold said end fin (18) onto said end portion (9), said conveyor (60) comprising at least one first link (35a) and one second link (35b) articulated to each other, said second link (35b) being arranged downstream of said first link (35a) with respect to a first direction, along which said conveyor (60) advances along said forming path (B), said folding means (24) comprising a slot (40) that is defined by said first link (35a) and is adapted to receive said end fin (18), said folding means (24) further comprising a slide (72) operatively connected to said second link (35b) and movable between a first position in which said slide (72) at least partially engages said slot (40), so as to fold said end fin (18) onto said end portion (9) and in a second direction opposite to said first direction, and a second position in which said slide (72) is detached from said slot (40), characterized in that said folding means (24) further comprise holding means (180) arranged for holding said package (2) while said slide (72) moves from said first position to said second position.

IPC 8 full level

B65B 7/20 (2006.01); **B65B 61/24** (2006.01); **B65B 51/20** (2006.01)

CPC (source: EP)

B65B 7/20 (2013.01); **B65B 61/24** (2013.01); **B65B 51/20** (2013.01)

Citation (applicant)

EP 11187350 A 20111031

Citation (search report)

- [I] EP 2631188 A1 20130828 - TETRA LAVAL HOLDINGS & FINANCE [CH]
- [A] EP 2746170 A1 20140625 - TETRA LAVAL HOLDINGS & FINANCE [CH]

Cited by

EP3566960A1

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)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

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