

Title (en)
PACKAGING APPARATUS FOR SECONDARY PACKAGES

Title (de)
VERPACKUNGSVORRICHTUNG FÜR SEKUNDÄRVERPACKUNGEN

Title (fr)
APPAREIL D'EMBALLAGE POUR EMBALLAGES SECONDAIRES

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Application
EP 19219726 A 20191226

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EP 19219726 A 20191226

Abstract (en)
The present invention provides a packaging apparatus for in-line packaging wrapping of a foldable blank around a receiving load that is simultaneously dropped onto the loading space of the foldable blank. The packaging apparatus includes a support means adapted to receive a supply of one or more foldable blanks. The support means includes a support frame supported onto two or more parallel longitudinal rails positioned generally transversal to a direction of supply of foldable blanks. The apparatus further includes an article loading mechanism to load a group of articles onto a loading space defined onto the foldable blank received onto the support means. The apparatus furthermore includes an erecting mechanism having a plurality of generally spaced apart vertical lugs, positioned onto one or more sides of the support frame, and at a height lower than the height of longitudinal rails such that a vertically upward movement of the lugs engages and erects at least one side of the foldable blank around the articles already loaded onto the foldable blank.

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Citation (applicant)
US 3841476 A 19741015 - ELFORD P

Citation (search report)
• [Y] WO 2014118631 A1 20140807 - NEOPOST TECHNOLOGIES [FR]
• [Y] DE 102014105998 A1 20150205 - KHS GMBH [DE]
• [A] US 3555776 A 19710119 - NIGRELLI BIAGIO J, et al
• [A] WO 2013005120 A1 20130110 - AZIONARIA COSTRUZIONI ACMA SPA [IT], et al

Cited by
CN114516455A

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