

Title (en)

A METHOD AND A MACHINE FOR PACKAGING FLAT ARTICLES AND A PACKAGE OBTAINED WITH THE METHOD AND MACHINE

Title (de)

VERFAHREN UND MASCHINE ZUM VERPACKEN VON FLACHEN ARTIKELN UND MIT DEM VERFAHREN UND DER MASCHINE HERGESTELLTE VERPACKUNG

Title (fr)

PROCÉDÉ ET MACHINE D'EMBALLAGE D'ARTICLES PLATS ET EMBALLAGE OBTENU GRÂCE AU PROCÉDÉ ET À LA MACHINE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2018047088A1] The described method for packaging at least a flat article comprises following steps: a) positioning of an article (2), at an inlet of a first station (S1) which comprises first folding means (3) and a first blank (4) the first blank (4) comprising a central region (40) to which a plurality of lower flaps (42) and upper flaps (41) are hinged, the central region (40) comprising a front portion (43) to which two opposite lateral portions (44) are hinged; b) movement of the article (2) in an advancement direction (W1) for conveying into the first station (S1) up to passing beyond the first blank (4) arranged in a first position (A) located at a higher level with respect to the flat article (2); c) movement of the flat article (2) in a retracting direction (W2), opposite the advancement direction (W1), realised in phase with the movement of the first blank (4) from the first position (A) to a second position (B), so as to enable a preliminary intercepting of the front portion (43) of the central region (40) of the first blank (4) by a first lateral flank (20) of the article (2); the subsequent intercepting of the lateral portions (44) of the central region (40) of the first blank (4) by the first folding means (3), up to the folding of the lateral portions (44) against the lateral flanks of the article (2) adjacent to the first flank (20), so as to enable at least a partial covering thereof; e) movement in the advancement direction (W1) of the half-package (100) for conveying thereof into a second station (S2) comprising second folding means (5) and a second blank (6); the second blank (6); comprising a central region (60) to which a plurality of lower flaps (62) and upper flaps (61) are hinged; the central region (60) comprising a front portion (63) to which two opposite lateral portions (64) are hinged; movement enabling a preliminary intercepting of the front portion (63) of the central region (60) of the second blank (6) by a second lateral flank (25) of the article (2), opposite the first lateral flank (20); the subsequent intercepting of the lateral portions (64) of the central region (60) of the second blank (6) by the second folding means (5), up to the folding of the lateral portions (64) against the lateral flanks of the article (2) adjacent to the second flank (25), so as to superpose the ends (64a) of the lateral portions (64) of the second blank (6) on the ends (44a) of the lateral portions (44) of the first blank (4), enabling the peripheral covering of the lateral flanks of the flat article (2) in cooperation with the first blank (4); e) movement in the advancement direction (W1) for conveying the packaging (101) distantly from the second station (S2).

IPC 8 full level

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CPC (source: EP)

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