

Title (en)

Method and machine for closing a collapsible carton while moved by a continuous motion

Title (de)

Verfahren und Vorrichtung zum Schließen einer Faltschachtel während ihrer kontinuierlichen Förderung

Title (fr)

Procédé et dispositif pour fermer une boîte en carton pliante pendant son convoyage continu

Publication

EP 1717147 B1 20080326 (DE)

Application

EP 06008162 A 20060420

Priority

DE 102005019894 A 20050429

Abstract (en)

[origin: EP1717147A1] A box (2) to be closed includes a pair of sidewalls joined to closing flaps (17) via fold lines (16), and inserting flaps (19) joined to the closing flaps also via fold lines (18), where when closing the box, a thin tongue (38) arranged along the box conveying direction (4) guides the free edge of each inserting flap down into the box interior and into the inner surface of either box sidewall, and a tappet (45), slidingly cooperating with the tongue, runs at the speed identical to the conveying speed and tucks the inserting flaps into the box. An independent claim is also included for a device for closing a folding box.

IPC 8 full level

B65B 7/22 (2006.01); **B65B 49/10** (2006.01)

CPC (source: EP)

B65B 7/22 (2013.01); **B65B 49/10** (2013.01)

Cited by

EP3385175A1; CN103935540A; CN105947256A; CN102556388A; CN111605755A; EP3299302A1; IT201600094659A1; ITMO20110213A1; EP1873063A3; WO2020169095A1; WO2020169097A1

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