

Title (en)

METHOD AND DEVICE FOR OPENING THE CLOSURE FLAPS OF A CARTON

Publication

**EP 0338281 B1 19920506 (DE)**

Application

**EP 89105208 A 19890323**

Priority

DE 3812749 A 19880416

Abstract (en)

[origin: EP0338281A1] The method and device are intended for opening the closure flaps of a carton or for spreading or folding open, in a manner which is suitable for packing purposes, the closure flaps of folding boxes which are already closed at the bottom. <??>The invention essentially comprises lowering the folding boxes (7), whose bottom (12) points upwards and whose closure flaps (8, 9) hang downwards, from a suspended position and placing said boxes on take- along means moving away from each other and in the opening direction. <IMAGE>

IPC 1-7

**B65B 43/39**

IPC 8 full level

**B65B 5/06** (2006.01); **B65B 43/39** (2006.01)

CPC (source: EP US)

**B65B 43/39** (2013.01 - EP US)

Cited by

CN105667888A; CN104477449A; CN105539939A; CN105600014A

Designated contracting state (EPC)

DE ES FR GB IT SE

DOCDB simple family (publication)

**EP 0338281 A1 19891025**; **EP 0338281 B1 19920506**; AU 3236689 A 19891019; AU 609274 B2 19910426; CA 1300099 C 19920505;  
DE 3812749 A1 19891026; DE 58901309 D1 19920611; ES 2032068 T3 19930101; FI 87337 B 19920915; FI 87337 C 19921228;  
FI 891607 A0 19890404; FI 891607 A 19891017; JP H024620 A 19900109; US 4936816 A 19900626

DOCDB simple family (application)

**EP 89105208 A 19890323**; AU 3236689 A 19890331; CA 595890 A 19890406; DE 3812749 A 19880416; DE 58901309 T 19890323;  
ES 89105208 T 19890323; FI 891607 A 19890404; JP 9545389 A 19890417; US 33318389 A 19890404