Title (en)
DEVICE FOR REMOVING AND TRANSFERRING FOLDING CARTONS

Title (de)
VORRICHTUNG ZUM ENTNEHMEN UND ÜBERGEBEN VON FALTSCHACHTELN

Title (fr)
DISPOSITIF POUR PRELEVER ET DELIVRER DES BOITES PLIANTES

Publication
EP 1181151 B1 20041117 (DE)

Application
EP 00903511 A 20000112

Priority
• DE 0000081 W 20000112
• DE 19920495 A 19990505

Abstract (en)
[origin: DE19920495A1] The invention relates to a device (10) for removing folding carton blanks (1) from a folding carton magazine (11) and for transferring the same between carrier elements (12, 13) of a transport unit (15). Said device has a suction rotor (30), comprising suction heads (41, 42). The suction rotor (30) is coupled with a four-gear mechanism (31) which erects the folding carton blank (1) along a fixed erecting guide (47). The application of the suction heads (41) to a passing side wall (23) of the folding carton blank (1) which stands perpendicular to the direction of transport (28) and the location of the erecting guide (47) ensure a high performance of the transport unit (1) which is operated at a given rate and allow folding carton blanks (1) whose front lower edge (27), in relation to the direction of transport (28), lies at the very front of the folding carton magazine (11).

IPC 1-7
B31B 5/80; B65B 43/18; B65B 43/32; B65H 3/08

IPC 8 full level
B31B 5/80 (2006.01); **B65B 43/18** (2006.01); **B65B 43/32** (2006.01); **B65H 3/08** (2006.01)

CPC (source: EP KR US)
B65B 43/185 (2013.01 - EP KR US); **B65B 43/325** (2013.01 - EP KR US); **B65H 3/0858** (2013.01 - EP KR US); B31B 2100/002 (2017.07 - KR); B31B 2120/30 (2017.07 - KR); B65H 2701/1766 (2013.01 - EP KR US)

Designated contracting state (EPC)
DE FR GB IT SE

DOCDB simple family (publication)
DE 19920495 A1 20001109; BR 0010296 A 20020213; DE 50008682 D1 20041223; EP 1181151 A1 20020227; EP 1181151 B1 20041117; JP 2002544067 A 20021224; JP 4416334 B2 20100217; KR 100630257 B1 20061002; KR 20020012563 A 20020216; US 6699165 B1 20040302; WO 0067997 A1 20001116

DOCDB simple family (application)
DE 19920495 A 19990505; BR 0010296 A 20000112; DE 0000081 W 20000112; DE 50008682 T 20000112; EP 00903511 A 20000112; JP 2000617006 A 20000112; KR 20017013996 A 20011102; US 95974202 A 20020125