

Title (en)  
IMPROVEMENTS RELATING TO CARTON ERECTING APPARATUS

Publication  
**EP 0076141 A3 19830817 (EN)**

Application  
**EP 82305102 A 19820928**

Priority  
AU PF095881 A 19810929

Abstract (en)  
[origin: EP0076141A2] A carton erecting apparatus comprising a carton feed magazine (12) having a horizontal driven conveyor (15) and a downwardly inclined ramp (18) extending therefrom, a transfer mechanism (24) arranged to move cartons (17) from the feed magazine (12) one at a time to a holding station (38) on a rotatable carriage (36), the cartons being partially erected while being moved to the holding station (38) by means of engagement with an inclined pressure member (30), the rotatable carriage having a plurality of spaced holding stations (38) with gripping means (41) associated with each said holding station, the gripping means (41) being operable in response to rotation of the carriage (36) to open to permit entry into or exit from the associated holding station (38) of a carton (17) and to close to retain a carton (17) in the holding station (38).

IPC 1-7  
**B31B 3/74**; **B65B 43/26**

IPC 8 full level  
**B31B 5/78** (2006.01); **B31B 5/80** (2006.01); **B31B 50/78** (2017.01); **B31B 100/00** (2017.01); **B31B 120/30** (2017.01)

CPC (source: EP US)  
**B31B 50/78** (2017.07 - EP); **B31B 50/784** (2017.07 - EP US); **B31B 50/80** (2017.07 - EP); **B31B 50/0044** (2017.07 - EP); **B31B 50/802** (2017.07 - EP); **B31B 2100/00** (2017.07 - EP US); **B31B 2120/30** (2017.07 - EP)

Citation (search report)

- DE 1926223 A1 19691204 - QUADALTI CESARE
- US 3580143 A 19710525 - MCINTYRE DANIEL
- US 3429570 A 19690225 - SCULLY JOHN W
- GB 998610 A 19650714 - PROCTER & GAMBLE
- GB 1196363 A 19700624 - BIVANS CORP [US]
- US 4213285 A 19800722 - MANCINI DEREK V [CA]
- DE 2230631 A1 19721228

Cited by  
CN110844205A; EP0256172A3; US10919251B2; WO2017064649A1

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI LU NL

DOCDB simple family (publication)  
**EP 0076141 A2 19830406**; **EP 0076141 A3 19830817**; AU 8881782 A 19830414

DOCDB simple family (application)  
**EP 82305102 A 19820928**; AU 8881782 A 19810929