

Title (en)
Carton feeder.

Title (de)
Pappenzuführvorrichtung.

Title (fr)
Dispositif d'alimentation de cartons.

Publication
EP 0574079 A1 19931215 (EN)

Application
EP 93201591 A 19930603

Priority
JP 3818392 U 19920605

Abstract (en)
An apparatus for feeding cartons which comprises a guide for holding the carton in alignment with a mandrel outwardly thereof while rendering the carton free to move inward toward the mandrel or outward away therefrom, a slider reciprocatingly movable inward and outward along the guide, a carton pushing pawl pivotally mounted on the slider so as to be pivotally movable between a position of engagement with the carton as held by the guide and a nonengagement position, and a spring for urging the pawl to pivotally move toward the engagement position. With the outward movement of the slider, the pawl is pivotally moved from the engagement position to the nonengagement position against the spring by coming into contact with the inner end of the carton as held by the guide and further moves along the outer surface of the carton from its inner end to the outer end thereof. <IMAGE>

IPC 1-7
B31B 5/80; **B65B 43/28**

IPC 8 full level
B31B 1/28 (2006.01); **B31B 5/80** (2006.01); **B31B 50/28** (2017.01); **B65B 3/02** (2006.01); **B65B 43/24** (2006.01); **B65B 43/28** (2006.01)

CPC (source: EP US)
B65B 3/025 (2013.01 - EP); **B65B 43/285** (2013.01 - EP US); **B31B 50/802** (2017.07 - EP); **B31B 2100/00** (2017.07 - EP); **B31B 2120/30** (2017.07 - EP US)

Citation (search report)

- [A] US 4448008 A 19840515 - PANKRATZ LAWRENCE A [US], et al
- [A] US 4244281 A 19810113 - KAUFFMAN IVAN L, et al
- [A] EP 0061211 A2 19820929 - TETRA PAK INT [SE]
- [A] GB 1162553 A 19690827 - HASKON INC [US]
- [A] EP 0256172 A2 19880224 - SHIKOKU KAKOKI CO LTD [JP]
- [A] EP 0376408 A1 19900704 - SHIKOKU KAKOKI CO LTD [JP]
- [T] EP 0492734 A1 19920701 - SHIKOKU KAKOKI CO LTD [JP]
- [T] EP 0490458 A1 19920617 - SHIKOKU KAKOKI CO LTD [JP]

Cited by
CN108859253A; EP0769365A3; WO2006027592A3

Designated contracting state (EPC)
CH DE DK FR GB LI NL SE

DOCDB simple family (publication)
EP 0574079 A1 19931215; **EP 0574079 B1 19961030**; DE 69305696 D1 19961205; DE 69305696 T2 19970306; DK 0574079 T3 19961125; JP 2565229 Y2 19980318; JP H0595727 U 19931227

DOCDB simple family (application)
EP 93201591 A 19930603; DE 69305696 T 19930603; DK 93201591 T 19930603; JP 3818392 U 19920605