

Title (en)

Machine and method for loading a plurality of articles into a carton

Title (de)

Maschine und Verfahren zum Laden einer Vielzahl von Artikeln in einen Karton

Title (fr)

Machine et procédé pour introduire une pluralité d'articles dans un carton

Publication

EP 1350723 A3 20031015 (EN)

Application

EP 03002938 A 19990115

Priority

- EP 99902269 A 19990115
- GB 9800884 A 19980116

Abstract (en)

[origin: WO9936317A2] A packaging machine for loading a plurality of articles (A) into a carton (52) which mechanism comprises carton erecting means for partly erecting said carton to define a first article receiving cell (C1), means for selecting a group of articles comprising at least two articles, means for separating said grouped articles from an adjacent like group of articles, means for loading said grouped articles into said first article receiving cell through an open end thereof in the packaging carton and a means for completing the construction of the carton. There also comprises a mechanism for forming a carton including a pair of article receiving cells comprising complementary die members, each said die member being mounted to a rotating wheel wherein each said complementing die member is adapted to interengage when a blank is positioned between the two members, such that said die members cause the blank to be folded to define said article receiving cells.

IPC 1-7

B65B 35/58; **B65B 5/02**; **B65B 5/10**

IPC 8 full level

B31B 50/20 (2017.01); **B65B 5/02** (2006.01); **B65B 5/10** (2006.01); **B65B 35/44** (2006.01); **B65B 35/58** (2006.01); **B65B 43/26** (2006.01)

CPC (source: EP)

B65B 5/024 (2013.01); **B65B 5/105** (2013.01); **B65B 35/44** (2013.01); **B65B 35/58** (2013.01); **B65B 43/265** (2013.01); **B31B 50/20** (2017.07)

Citation (search report)

- [XA] CH 346814 A 19600531 - ROTHENBERGER HANSJOERG [CH]
- [A] CH 546177 A 19740228 - ALUSUISSE
- [A] US 5665443 A 19970909 - HATA TETSUO [JP], et al
- [A] US 5595047 A 19970121 - PAUMEN JACKY M G N [BE], et al
- [A] US 5454211 A 19951003 - ZIEGLER KELLY W [US], et al
- [A] EP 0465451 A2 19920108 - EVEREADY BATTERY INC [US]
- [A] PATENT ABSTRACTS OF JAPAN vol. 017, no. 343 (M - 1436) 29 June 1993 (1993-06-29)

Cited by

CN104554893A

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI NL PT SE

DOCDB simple family (publication)

WO 9936317 A2 19990722; **WO 9936317 A3 20030417**; AT E248746 T1 20030915; AT E303303 T1 20050915; AU 2228999 A 19990802; DE 69910973 D1 20031009; DE 69910973 T2 20040902; DE 69927065 D1 20051006; DE 69927065 T2 20060713; DK 1047595 T3 20031215; EP 1047595 A2 20001102; EP 1047595 B1 20030903; EP 1350723 A2 20031008; EP 1350723 A3 20031015; EP 1350723 B1 20050831; ES 2207169 T3 20040516; ES 2251631 T3 20060501; GB 9800884 D0 19980311; PT 1047595 E 20031231

DOCDB simple family (application)

US 9900853 W 19990115; AT 03002938 T 19990115; AT 99902269 T 19990115; AU 2228999 A 19990115; DE 69910973 T 19990115; DE 69927065 T 19990115; DK 99902269 T 19990115; EP 03002938 A 19990115; EP 99902269 A 19990115; ES 03002938 T 19990115; ES 99902269 T 19990115; GB 9800884 A 19980116; PT 99902269 T 19990115