

Title (en)

Machine for packaging pourable food products

Title (de)

Maschine zum Verpacken von fließfähigen Nahrungsmitteln

Title (fr)

Machine pour emballer des produits alimentaires versables

Publication

**EP 1172299 A1 20020116 (EN)**

Application

**EP 00830487 A 20000711**

Priority

EP 00830487 A 20000711

Abstract (en)

A machine (1) for packaging pourable food products in packages formed from a continuous tube (2) of packaging material (4) having crease lines (13) for assisting folding of the packaging material, and wherein a control device (60) for controlling feed of the tube (2) has an optical sensor (62) for detecting the position of prelaminated holes (5) formed on the material (4) and in register with the crease lines (13), and a control unit (63) for controlling actuators (7, 56, 25) for correcting the longitudinal and angular position of the tube (2) in response to respective longitudinal and transverse position errors (E1, E2) of the holes (5) detected by the optical sensor (62). <IMAGE>

IPC 1-7

**B65B 41/18**; **B65B 9/20**

IPC 8 full level

**G01B 11/00** (2006.01); **B65B 9/10** (2006.01); **B65B 9/20** (2012.01); **B65B 9/207** (2012.01); **B65B 9/22** (2006.01); **B65B 41/18** (2006.01); **B65B 57/02** (2006.01)

CPC (source: EP)

**B65B 9/2035** (2013.01); **B65B 9/2049** (2013.01); **B65B 9/207** (2013.01); **B65B 9/22** (2013.01); **B65B 41/18** (2013.01); **B65B 57/04** (2013.01)

Citation (search report)

- [A] EP 0025235 A1 19810318 - TETRA PAK INT [SE]
- [A] EP 0903292 A1 19990324 - SHIKOKU KAKOKI CO LTD [JP]
- [A] US 4580392 A 19860408 - LAGERSTEDT JAN [SE], et al
- [A] US 3788028 A 19740129 - FOLKESSON B, et al

Cited by

GB2508047A; EP3214000A1; ITUA20161316A1; CN102303726A; KR101432066B1; EP2418154A1; CN109573130A; ITBO20130162A1; EP2789542A1; US2014305073A1; US9540128B2; EP2435323A4; EP3378792A3; CN108622445A; CN113682566A; WO2013029356A1; WO2018172158A3; US7104028B2; WO2010138055A1; US9359118B2; US11104462B2; WO2007008132A1; WO2022253504A3

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**EP 1172299 A1 20020116**; **EP 1172299 B1 20030514**; AT E240239 T1 20030515; AU 3367001 A 20020121; AU 8765701 A 20020121; DE 60002708 D1 20030618; DE 60002708 T2 20040318; DK 1172299 T3 20030915; ES 2198269 T3 20040201; JP 2004502607 A 20040129; JP 4965792 B2 20120704; PT 1172299 E 20030930; WO 0204295 A1 20020117; WO 0204312 A1 20020117

DOCDB simple family (application)

**EP 00830487 A 20000711**; AT 00830487 T 20000711; AU 3367001 A 20001228; AU 8765701 A 20010711; DE 60002708 T 20000711; DK 00830487 T 20000711; EP 0013303 W 20001228; EP 0108864 W 20010711; ES 00830487 T 20000711; JP 2002508974 A 20010711; PT 00830487 T 20000711