

Title (en)  
A FLOW-PACK PACKAGING MACHINE

Title (de)  
FLOWPACK-VERPACKUNGSMASCHINE

Title (fr)  
MACHINE DE CONDITIONNEMENT DE SACS THERMOUSOUDES

Publication  
**EP 3398860 A1 20181107 (EN)**

Application  
**EP 18168184 A 20180419**

Priority  
IT 201700046835 A 20170502

Abstract (en)  
A flow-pack packaging machine comprising: - a support frame (12), - a horizontal conveyor (16) configured to advance a flow of products along a longitudinal direction (A), - an unwinding unit (18) located above a portion (16a) of the horizontal conveyor (16) and configured to feed a continuous packaging film (F', F''), - a stationary forming device (20) configured to fold said packaging film (F', F'') into the shape of a tubular element that surrounds the products (P) to be packaged, - a longitudinal welding assembly (22) located downstream of said forming device (20) and configured to weld together opposite longitudinal edges of said tubular element, and - a transverse welding assembly (24) configured for transversely welding said tubular element, wherein said unwinding unit (18) is movable in a vertical direction between a lowered position and a raised position, and vice versa.

IPC 8 full level  
**B65B 9/06** (2012.01); **B65B 41/12** (2006.01); **B65B 41/16** (2006.01); **B65B 51/26** (2006.01); **B65B 59/00** (2006.01); **B65B 59/04** (2006.01); **B65H 19/18** (2006.01)

CPC (source: EP US)  
**B65B 9/06** (2013.01 - EP US); **B65B 41/12** (2013.01 - EP); **B65B 59/04** (2013.01 - EP); **B65H 19/1836** (2013.01 - EP); **B65H 19/1873** (2013.01 - EP); **B65H 20/24** (2013.01 - EP); **B65H 23/1888** (2013.01 - EP); **B65B 51/26** (2013.01 - EP); **B65H 2301/46312** (2013.01 - EP); **B65H 2301/512145** (2013.01 - EP); **B65H 2511/112** (2013.01 - EP); **B65H 2515/31** (2013.01 - EP); **B65H 2701/1944** (2013.01 - EP)

Citation (search report)

- [X] US 2009229228 A1 20090917 - SAMBUGARO ALESSANDRA [IT]
- [IY] FR 2182867 A1 19731214 - ATO INC [US]
- [Y] EP 2868588 A1 20150506 - JVM CO LTD [KR]
- [Y] EP 0166841 A2 19860108 - SAPAL PLIEUSES AUTOMATIQUES [CH]
- [A] DE 10218137 A1 20031113 - MEURER FRANZ-JOSEF [DE]

Cited by  
CN114212302A; CN110498271A

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3398860 A1 20181107**; **EP 3398860 B1 20200304**; ES 2783977 T3 20200921; IT 201700046835 A1 20181102

DOCDB simple family (application)  
**EP 18168184 A 20180419**; ES 18168184 T 20180419; IT 201700046835 A 20170502