

Title (en)

METHOD AND DEVICE FOR PRODUCING AND FILLING SACKS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG UND BEFÜLLUNG VON SÄCKEN

Title (fr)

PROCEDE ET DISPOSITIF POUR FABRIQUER ET REMPLIR DES SACS

Publication

EP 1773576 B1 20090902 (DE)

Application

EP 05762405 A 20050630

Priority

- EP 2005007157 W 20050630
- DE 102004034489 A 20040716

Abstract (en)

[origin: WO2006007960A1] The invention relates to a method and a device for producing and filling sacks comprising at least four longitudinal seams. According to prior art, the production of said sacks generally involves the longitudinal welding of a flat film to form a tubular section. The tubular section is cut into individual tubular pieces, which are provided with additional longitudinal weld seams. Both the transport of the individual tubular pieces and the subsequent introduction of the latter into a sack forming and filling process are complex. The devices used in this process are expensive and prone to faults. The aim of the invention is to provide a more cost-effective method for producing and filling sacks. To achieve this, the material that forms the sacks is supplied from an unwinding device (2, 3, 5) in the form of a tubular material (4) to a sack forming device (1) and the tubular material (4) is provided with longitudinal seams (29) in the sack forming device (1), said seams extending over a large part of the sacks (27).

IPC 8 full level

B31B 19/74 (2006.01); **B31B 50/25** (2017.01); **B31B 50/64** (2017.01); **B65B 43/04** (2006.01); **B65B 51/26** (2006.01)

CPC (source: EP US)

B65B 1/02 (2013.01 - EP US); **B65B 43/04** (2013.01 - EP US); **B65B 43/465** (2013.01 - EP US); **B65B 51/26** (2013.01 - EP US); **B31B 50/741** (2017.07 - EP US); **B31B 70/008** (2017.07 - EP US); **B31B 2150/00** (2017.07 - EP US); **B31B 2150/0012** (2017.07 - EP US); **B31B 2150/003** (2017.07 - EP US); **B31B 2155/00** (2017.07 - EP US); **B31B 2155/003** (2017.07 - EP US); **B31B 2160/106** (2017.07 - EP US); **B31B 2160/20** (2017.07 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2006007960 A1 20060126; AT E441517 T1 20090915; DE 102004034489 A1 20060420; DE 502005008062 D1 20091015; EP 1773576 A1 20070418; EP 1773576 B1 20090902; EP 1773576 B3 20120509; ES 2333136 T3 20100217; ES 2333136 T7 20121119; JP 2008513299 A 20080501; JP 2012062119 A 20120329; PL 1773576 T3 20100226; PL 1773576 T6 20121031; US 2007289262 A1 20071220; US 7770362 B2 20100810

DOCDB simple family (application)

EP 2005007157 W 20050630; AT 05762405 T 20050630; DE 102004034489 A 20040716; DE 502005008062 T 20050630; EP 05762405 A 20050630; ES 05762405 T 20050630; JP 2007520706 A 20050630; JP 2011258056 A 20111125; PL 05762405 T 20050630; US 62865305 A 20050630