

Title (en)  
FILLING MACHINE FOR BAGS WITH OPENINGS

Title (de)  
FÜLLMASCHINE FÜR SÄCKE MIT ÖFFNUNGEN

Title (fr)  
MACHINE DE REMPLISSAGE DE SACS COMPORTANT DES OUVERTURES

Publication  
**EP 3441316 A1 20190213 (EN)**

Application  
**EP 18185678 A 20180726**

Priority  
IT 201700091661 A 20170808

Abstract (en)  
Description of a filling machine (100) for bags (S) with an opening (B), comprising: a dispensing head (240) for a product to be packaged, and a handling mechanism (105) to feed the bags and stop them one at a time in a filling position (P5) with the opening (B) in line with the dispensing head (240); whereby this handling mechanism (105) comprises: a first and second flexible transmission part (110A, 110B), each of which runs inside a closed circuit along a route that comprises an operational section (120A, 120B) and a return section (125A, 125B), whereby the operational section (120A, 120B) for each of these first and second flexible transmission parts (110A, 110B) is substantially straight and parallel with the operational section (120A, 120B) of the other flexible transmission part, and two sets of grab plates (140) secured in sequence with the first (110A) and second flexible transmission part (110B) respectively, whereby the grab plates (140) are each fitted with a shaped side profile (150) and arranged such that, along the operational section (120A, 120B) of the flexible transmission parts (110A, 110B), the grab plates (140) secured to the first flexible transmission part (110A) are adjacent to the grab plates (140) secured to the second flexible transmission part (110B), and the shaped side profile (150) of each grab plate (140) secured to the first flexible transmission part (110A) defines, with the shaped side profile (150) of at least one grab plate (140) secured to the second flexible transmission part (110B), a holder (155) for the opening (B) on a bag (S).

IPC 8 full level  
**B65B 43/46** (2006.01); **B65B 3/04** (2006.01); **B65B 43/52** (2006.01); **B65B 43/60** (2006.01); **B65B 55/00** (2006.01); **B65B 55/02** (2006.01); **B65G 37/00** (2006.01)

CPC (source: EP)  
**B65B 43/52** (2013.01); **B65B 55/00** (2013.01); **B65B 55/027** (2013.01); **B65B 3/045** (2013.01)

Citation (search report)  
• [A] EP 1346930 A1 20030924 - TOYO JIDOKI KK [JP]  
• [A] EP 2990341 A1 20160302 - TOYO JIDOKI KK [JP]  
• [A] US 4591043 A 19860527 - MUELLER ROLF [DE]

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 3441316 A1 20190213**; **EP 3441316 B1 20200219**; ES 2784692 T3 20200929; IT 201700091661 A1 20190208

DOCDB simple family (application)  
**EP 18185678 A 20180726**; ES 18185678 T 20180726; IT 201700091661 A 20170808