

Title (en)  
FILLING AND PACKAGING MACHINE

Title (de)  
ABFÜLL- UND VERPACKUNGSMASCHINE

Title (fr)  
MACHINE DE REMPLISSAGE ET D'EMBALLAGE

Publication  
**EP 3628601 A1 20200401 (EN)**

Application  
**EP 19198328 A 20190919**

Priority  
JP 2018178536 A 20180925

Abstract (en)  
A filling and packaging machine comprises a web-feeding means for feeding out a beltlike web having marks at predetermined intervals; a web-folding means for folding the fed-out web in half with an opening facing upward; a plurality of side-sealing means (20) provided around the circumference of a rotary body (140) for sealing the web at predetermined intervals in the web-conveying direction to form bags by sandwiching the web; a hopper shoot (30) attached to a support member (32B) and having a horizontally elongated section in a lower area; a lift means for lifting and lowering the support member; a mark detector for detecting the marks; and a controller for controlling the web-feeding means on the basis of a signal from the mark detector. The hopper shoot (30) is pivotally attached to the support member (23B). A tilt angle of the horizontally elongated section (30A) of the hopper shoot is varied in response to a variation in the feed-out quantity of the web from the web-feeding means.

IPC 8 full level  
**B65B 9/087** (2012.01); **B65B 39/12** (2006.01); **B65B 39/14** (2006.01); **B65B 41/18** (2006.01); **B65B 43/60** (2006.01)

CPC (source: EP)  
**B65B 9/087** (2013.01); **B65B 39/12** (2013.01); **B65B 39/145** (2013.01); **B65B 41/18** (2013.01); **B65B 43/60** (2013.01)

Citation (applicant)  
JP 4855856 B2 20120118

Citation (search report)  
• [A] JP 2008018981 A 20080131 - TOPACK CO LTD & DATABASE WPI Week 200811, Derwent World Patents Index; AN 2008-B57508, XP002797545  
• [A] JP 2005306444 A 20051104 - SANKO KIKAI & DATABASE WPI Week 200576, Derwent World Patents Index; AN 2005-740641, XP002797546  
• [A] JP H08282635 A 19961029 - TOPATSUKU KK & DATABASE WPI Week 199702, Derwent World Patents Index; AN 1997-016819, XP002797547  
• [A] JP 2004099134 A 20040402 - TOPACK CO LTD & DATABASE WPI Week 200426, Derwent World Patents Index; AN 2004-275936, XP002797548  
• [A] JP 2005350123 A 20051222 - SANKO KIKAI & DATABASE WPI Week 200602, Derwent World Patents Index; AN 2006-015153, XP002797549  
• [A] JP 2018020788 A 20180208 - SANKO KIKAI & DATABASE WPI Week 201812, Derwent World Patents Index; AN 2018-12294U, XP002797550

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 3628601 A1 20200401**; **EP 3628601 B1 20220209**; JP 2020050357 A 20200402; JP 7208476 B2 20230119

DOCDB simple family (application)  
**EP 19198328 A 20190919**; JP 2018178536 A 20180925