

Title (en)
FILLING MACHINE AND METHOD FOR THE STERILE FILLING OF A FOOD PRODUCT THAT CONTAINS A MAIN COMPONENT AND AN ADDITIONAL COMPONENT

Title (de)
FÜLLMASCHINE UND VERFAHREN ZUM STERILEN ABFÜLLEN EINES LEBENSMITTELS UMFASSEND EINE HAUPTKOMPONENTE UND EINE ZUSATZKOMPONENTE

Title (fr)
MACHINE DE REMPLISSAGE PERMETTANT LE REMPLISSAGE STÉRILE DE RÉCIPIENTS AVEC UN PRODUIT ALIMENTAIRE CONTENANT UN COMPOSANT PRINCIPAL ET UN COMPOSANT ADDITIONNEL

Publication
EP 3507196 A2 20190710 (DE)

Application
EP 17768693 A 20170830

Priority
• DE 102016116529 A 20160905
• EP 2017071790 W 20170830

Abstract (en)
[origin: WO2018041908A2] The invention relates to a filling machine (1, 40, 50, 60) for the sterile filling of a food product that contains at least one main component (29) and at least one additional component (26) into a plurality of containers (2), in particular paperboard-plastic composite packagings. Said filling machine comprises at least one guide means (33, 52) for guiding the at least one, in particular pasteurized or sterilized, main component (29) from the at least one supply unit (32) to at least one filling outlet (28, 42) of a filling valve (34, 41, 54). The aim of the invention is to simplify the handling of food products that contain at least one main component and at least one additional component. For this purpose, the filling machine comprises a feed container (36) for the at least one additional component (26), a metering device (37, 43, 55, 61), connected to said feed container (36), for metering the additional component (26) into the containers (2) and/or to the main component (29), and in the metering device (37, 43, 55, 61) an electric heating unit (39) for pasteurizing or sterilizing the additional component (26) before it is metered into the containers (2) and/or to the main component (29).

IPC 8 full level
B65B 55/12 (2006.01); **A23L 3/00** (2006.01); **A23L 3/01** (2006.01); **B65B 3/02** (2006.01); **B65B 3/04** (2006.01); **B65B 3/26** (2006.01); **B65B 55/14** (2006.01); **B65B 65/00** (2006.01); **B67C 3/02** (2006.01)

CPC (source: EP US)
A23L 3/001 (2013.01 - EP US); **A23L 3/003** (2013.01 - EP US); **A23L 3/01** (2013.01 - EP US); **B65B 3/04** (2013.01 - EP US); **B65B 3/26** (2013.01 - EP US); **B65B 55/12** (2013.01 - EP US); **B65B 55/14** (2013.01 - EP US); **B65B 65/003** (2013.01 - EP US); **A23V 2002/00** (2013.01 - US); **B65B 3/025** (2013.01 - EP US)

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)
DE 102016116529 A1 20180308; CN 109843730 A 20190604; EP 3507196 A2 20190710; JP 2019526506 A 20190919; US 2019239542 A1 20190808; WO 2018041908 A2 20180308; WO 2018041908 A3 20180511

DOCDB simple family (application)
DE 102016116529 A 20160905; CN 201780054272 A 20170830; EP 17768693 A 20170830; EP 2017071790 W 20170830; JP 2019512231 A 20170830; US 201716329863 A 20170830