

Title (en)

Packaging machine for sterile packing and corresponding method

Title (de)

Verpackungsmaschine für keimfreies Abpacken und entsprechenden Verfahren

Title (fr)

Machine d'emballage pour conditionnement sans germe et method correspondante

Publication

EP 2599721 B1 20150930 (DE)

Application

EP 12194710 A 20121129

Priority

DE 102011119657 A 20111129

Abstract (en)

[origin: EP2599721A2] The packing machine has a feeding section for feeding the primary packings (1), a filling station for filling the primary packings, and a closing station for closing the filled primary packings. A sterile closable transport container (20) is provided for receiving the primary packings and is movable by a carriage (9). A sterilizing station is provided for sterilization of the transport container, particularly together with empty primary packings. An independent claim is included for a method for sterile filling of a product in a primary packing.

IPC 8 full level

B65B 55/02 (2006.01); **A61M 5/00** (2006.01); **B65B 3/04** (2006.01); **B65B 35/16** (2006.01); **B65B 55/24** (2006.01); **B65B 65/00** (2006.01); **B65G 15/42** (2006.01); **B65B 3/00** (2006.01); **B65B 7/16** (2006.01); **B65B 55/10** (2006.01)

CPC (source: EP)

B65B 3/04 (2013.01); **B65B 35/16** (2013.01); **B65B 55/027** (2013.01); **B65B 55/24** (2013.01); **B65B 65/003** (2013.01); **B65B 3/003** (2013.01); **B65B 7/161** (2013.01); **B65B 55/10** (2013.01); **B65B 2220/16** (2013.01)

Cited by

CN116510596A; CN113942971A; CN105599990A; EP3744646A1; US11358244B2; CN114728775A; EP4335762A1; CN107567416A; EP3456643A1; CN110371389A; DE102014106400A1; EP3033276A4; CN110282206A; IT201800004068A1; US10723497B2; US11993502B2; WO2018210445A1; WO2016102417A1; US10577136B2; US11434027B2; US10737403B2; WO2019186318A1; US10196161B2; US10781002B2; US10781003B2; US11186390B2; US11518555B2; EP3895816A1

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

DOCDB simple family (publication)

EP 2599721 A2 20130605; **EP 2599721 A3 20130703**; **EP 2599721 B1 20150930**; DE 102011119657 A1 20130529; DE 102011119657 B4 20150312

DOCDB simple family (application)

EP 12194710 A 20121129; DE 102011119657 A 20111129