

Title (en)  
JACKET CLOSING MACHINE

Title (de)  
SCHALENVERSCHLIESSMASCHINE

Title (fr)  
MACHINE DE VERROUILLAGE DE COQUES

Publication  
**EP 3138778 B1 20180103 (DE)**

Application  
**EP 15183808 A 20150904**

Priority  
EP 15183808 A 20150904

Abstract (en)  
[origin: US2017066545A1] The invention relates to a tray sealer comprising a gripper device with two gripper arms, a supply device for unsealed trays, a removal device for sealed trays and a sealing device. Each gripper arm can comprise a coupling device that is configured to hold a first tray gripper for supplying trays into the sealing device and a second tray gripper for removing trays from the sealing device.

IPC 8 full level  
**B65B 43/46** (2006.01); **B65B 7/16** (2006.01); **B65B 59/04** (2006.01); **B65B 61/00** (2006.01)

CPC (source: CN EP US)  
**B65B 7/162** (2013.01 - CN EP US); **B65B 43/46** (2013.01 - CN EP US); **B65B 43/52** (2013.01 - CN); **B65B 59/04** (2013.01 - EP US); **B65B 61/005** (2013.01 - EP US)

Citation (opposition)  
Opponent : Proseal UK Limited  
DE 202009009242 U1 20101118 - MULTIVAC HAGGENMUELLER GMBH [DE]

Cited by  
EP3733529A1; DE102019206384A1; US11667420B2

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 3138778 A1 20170308; EP 3138778 B1 20180103**; CN 106494682 A 20170315; CN 106494682 B 20181120; ES 2662934 T3 20180410; US 10661932 B2 20200526; US 11667420 B2 20230606; US 2017066545 A1 20170309; US 2020207495 A1 20200702

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**EP 15183808 A 20150904**; CN 201610804222 A 20160905; ES 15183808 T 20150904; US 201615255027 A 20160901; US 202016816587 A 20200312