

Title (en)
TRAY SEALERS

Title (de)
SCHALENVERSCHLIESSMASCHINE

Title (fr)
MACHINE DE VERROUILLAGE DE COQUES

Publication
EP 3333090 B1 20200101 (DE)

Application
EP 17200568 A 20171108

Priority
DE 102016123569 A 20161206

Abstract (en)
[origin: US2018155074A1] A tray sealer including a sealing station comprising a tool upper part, a clamping frame and a tool lower part. The tool upper part may surround a dome-shaped die used for deforming a skinnable top film. First and second channels in the dome-shaped die and in the tool upper part, respectively, are connectable to one another. The tool upper part or the dome-shaped die may comprise at least a third channel communicating with a vacuum generator so as to generate a thermal air convection from the first channel to the third channel along a side of the top film facing the dome-shaped die.

IPC 8 full level
B65B 31/02 (2006.01); **B65B 7/16** (2006.01); **B65B 9/04** (2006.01); **B65B 11/52** (2006.01); **B65B 25/00** (2006.01); **B65B 31/04** (2006.01); **B65B 47/02** (2006.01); **B65B 53/06** (2006.01)

CPC (source: CN EP US)
B65B 7/164 (2013.01 - EP US); **B65B 9/04** (2013.01 - EP US); **B65B 11/52** (2013.01 - EP US); **B65B 25/001** (2013.01 - EP US); **B65B 31/02** (2013.01 - EP US); **B65B 31/028** (2013.01 - EP US); **B65B 31/04** (2013.01 - EP US); **B65B 47/02** (2013.01 - EP US); **B65B 51/10** (2013.01 - CN); **B65B 53/06** (2013.01 - EP US)

Cited by
DE102020200200A1

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 3333090 A1 20180613; **EP 3333090 B1 20200101**; CN 108146727 A 20180612; CN 108146727 B 20191224;
DE 102016123569 A1 20180607; ES 2772692 T3 20200708; US 10913562 B2 20210209; US 2018155074 A1 20180607

DOCDB simple family (application)
EP 17200568 A 20171108; CN 201711277137 A 20171206; DE 102016123569 A 20161206; ES 17200568 T 20171108;
US 201715832685 A 20171205