

Title (en)

Shrinking device with walls built from a plurality of modules

Title (de)

Schrumpfvorrichtung mit aus mehreren Modulen aufgebauten Wänden

Title (fr)

Dispositif de rétraction avec des murs assemblés par des modules

Publication

EP 2767478 B2 20200108 (DE)

Application

EP 14153677 A 20140203

Priority

DE 102013101484 A 20130214

Abstract (en)

[origin: EP2767478A1] The shrinkage device has a transport path for the articles or article combination, on which articles covered with packaging unit are transported in a transport direction (TR). Two shaft walls are arranged on both sides along the transport path. A shrinkage aid distributing device is arranged over each shaft wall. The shaft walls are formed of two shaft chamber modules arranged in series one after another in transport direction. Two shaft chamber modules are assigned to the shrinkage aid distributing device per shaft wall.

IPC 8 full level

B65B 53/06 (2006.01); **B65B 59/04** (2006.01)

CPC (source: EP)

B65B 53/063 (2013.01); **B65B 59/04** (2013.01)

Citation (opposition)

Opponent :

- JP H07187148 A 19950725 - FUJI SEAL IND CO LTD
- EP 2050676 A1 20090422 - KRONES AG [DE]
- DE 102011052353 A1 20130207 - KRONES AG [DE]

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 2767478 A1 20140820; **EP 2767478 B1 20160803**; **EP 2767478 B2 20200108**; CN 103991585 A 20140820; CN 103991585 B 20160406; DE 102013101484 A1 20140814

DOCDB simple family (application)

EP 14153677 A 20140203; CN 201410051877 A 20140214; DE 102013101484 A 20130214