

Title (en)
METHOD AND DEVICE FOR TREATING PACKAGING MEANS

Title (de)
VERFAHREN SOWIE VORRICHTUNG ZUM BEHANDELN VON PACKMITTELN

Title (fr)
PROCEDE ET DISPOSITIF POUR LE TRAITEMENT D'EMBALLAGES

Publication
EP 2830958 B1 20160203 (DE)

Application
EP 13708094 A 20130307

Priority
• DE 102012005926 A 20120326
• EP 2013000662 W 20130307

Abstract (en)
[origin: WO2013143647A1] Method and device for treating packaging means (2) by applying design features or designs to the packaging means, with a packaging means transport path (3) on which the packaging means to be treated are moved in a transport direction from a packaging means inlet (1.1) to a packaging means outlet (1.2), wherein the packaging means transport path (3) is formed by at least one transport and treatment element that can be driven in rotation about a vertical machine axis and that has a plurality of treatment positions (8) at which the design features are applied and, at the same time, a sterilizing pressure medium in the form of gas and/or vapour is applied to the interior of the packaging means.

IPC 8 full level
B65B 31/04 (2006.01); **B41J 3/407** (2006.01); **B41J 11/00** (2006.01); **B65B 51/00** (2006.01); **B65B 55/10** (2006.01); **B65B 55/18** (2006.01); **B65B 61/26** (2006.01)

CPC (source: EP US)
B41J 3/4073 (2013.01 - EP US); **B41J 3/40733** (2020.08 - EP US); **B41J 11/0015** (2013.01 - EP US); **B65B 31/04** (2013.01 - US); **B65B 51/00** (2013.01 - US); **B65B 55/10** (2013.01 - EP US); **B65B 55/18** (2013.01 - US); **B65B 61/26** (2013.01 - US); **B41M 5/0011** (2013.01 - EP)

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)
DE 102012005926 A1 20130926; EP 2830958 A1 20150204; EP 2830958 B1 20160203; JP 2015511563 A 20150420; JP 6543189 B2 20190710; US 2015113918 A1 20150430; US 9908651 B2 20180306; WO 2013143647 A1 20131003

DOCDB simple family (application)
DE 102012005926 A 20120326; EP 13708094 A 20130307; EP 2013000662 W 20130307; JP 2015502124 A 20130307; US 201314387345 A 20130307