

Title (en)

Shrinking device with optimised energy management

Title (de)

Schrumpfvorrichtung mit optimiertem Energiemanagement

Title (fr)

Dispositif de rétractation avec gestion optimisée de l'énergie

Publication

EP 2687447 B1 20160525 (DE)

Application

EP 13174635 A 20130702

Priority

DE 102012106600 A 20120720

Abstract (en)

[origin: EP2687447A1] The device (1') has a conveying device (10) for an article such as beverage container, and a fan (18) for creation of contraction medium (19) such as hot air. A heating coil (20) is arranged for controlling the temperature of the contraction medium, and a division device is arranged for division of the contraction medium into two sub-streams. A set of heating units or nozzle surface (15) is arranged, where one of the heating unit is arranged for heating the conveying device. The division device comprises a control unit for automated control of division of the medium into two sub-streams. An independent claim is also included for a method for adjusting different operating modes of a contraction device.

IPC 8 full level

B65B 53/06 (2006.01)

CPC (source: EP)

B65B 53/063 (2013.01)

Cited by

US11235918B2; DE102014105057A1; US9926091B2; EP3450334A1; CN109421962A; FR3070376A1

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 2687447 A1 20140122; EP 2687447 B1 20160525; CN 103569419 A 20140212; CN 103569419 B 20151202;
DE 102012106600 A1 20140612

DOCDB simple family (application)

EP 13174635 A 20130702; CN 201310303325 A 20130718; DE 102012106600 A 20120720