

Title (en)

Method for strapping containers, bulk goods and/or items and packaging machine with application head for applying a strap

Title (de)

Verfahren zur Umreifung von Gebinden, Stückgütern und/oder Artikeln sowie Verpackungsmaschine mit Applikationskopf zur Aufbringung einer Umreifung

Title (fr)

Procédé de cerclage de gerbes, produits en vrac et/ou articles ainsi que machine d'emballage avec une tête d'application pour la mise en place d'un cerclage

Publication

**EP 2562091 B1 20141217 (DE)**

Application

**EP 12171486 A 20120611**

Priority

DE 102011081336 A 20110822

Abstract (en)

[origin: EP2562091A1] The method involves arranging PET beverage containers (14,16) with horizontal strapping bands (30) formed of flexible thermoplastic material. The horizontal strapping bands are provided with respect to magazine portion (32) with tape guides (34), and application heads (28). The temperature control devices (29,33,37) are provided for controlling the temperature of the horizontal strapping bands. An independent claim is included for packaging machine.

IPC 8 full level

**B65B 13/02** (2006.01); **B65B 13/32** (2006.01); **B65B 27/04** (2006.01); **B65B 61/14** (2006.01)

CPC (source: EP)

**B65B 13/02** (2013.01); **B65B 13/32** (2013.01); **B65B 27/04** (2013.01); **B65B 61/14** (2013.01)

Cited by

EP3391731A1; EP3391735A1; EP3391730A1; EP3391733A1; EP3395159A1

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 2562091 A1 20130227**; **EP 2562091 B1 20141217**; CN 102951307 A 20130306; DE 102011081336 A1 20130228; DE 102011081336 A9 20130508

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**EP 12171486 A 20120611**; CN 201210300918 A 20120822; DE 102011081336 A 20110822