

Title (en)

A PROCESS AND DEVICE FOR TILTING A CONTINUOUS STRIP OF CONTAINERS MADE FROM HEAT-FORMABLE MATERIAL

Title (de)

VERFAHREN UND VORRICHTUNG ZUM NEIGEN EINES KONTINUERLICHEN BEHÄLTERBANDS AUS WÄRMEFORMBAREM MATERIAL

Title (fr)

PROCEDE ET DISPOSITIF PERMETTANT D'INCLINER UNE BANDE CONTINUE DE CONTENEURS CONSTITUÉS DE MATERIAU THERMOFORMABLE

Publication

**EP 1341695 A1 20030910 (EN)**

Application

**EP 01997435 A 20011107**

Priority

- EP 01997435 A 20011107
- EP 00830771 A 20001123
- IT 0100560 W 20011107

Abstract (en)

[origin: EP1209080A1] In the process of the invention a strip of containers (5) made of a heat-formable material is guided through a deviated course in a transversal direction with respect to a main horizontal line of advancement (F), in which the strip of containers undergoes, in sequence, a first rotation of a quarter of a full turn about a vertical-axis first guide (6), a first twist by half a full turn, a second rotation, by half a full turn, about a second guide (7) having a winding axis which is parallel to the line of advancement (F), returning towards the line of advancement, a second twist by another half a full turn, and finally a third rotation about a vertical-axis third guide (8). With the invention the longitudinal extension of the line of advancement is reduced. <IMAGE>

IPC 1-7

**B65B 9/04; B65B 47/00**

IPC 8 full level

**B65B 9/04** (2006.01); **B65B 47/00** (2006.01)

CPC (source: EP US)

**B65B 9/04** (2013.01 - EP US); **B65B 47/00** (2013.01 - EP US)

Citation (search report)

See references of WO 0242159A1

Cited by

US11192671B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

Designated extension state (EPC)

AL RO SI

DOCDB simple family (publication)

**EP 1209080 A1 20020529**; AT E398575 T1 20080715; AU 2251002 A 20020603; BR 0115530 A 20040706; CN 1476401 A 20040218; DE 60134492 D1 20080731; EP 1341695 A1 20030910; EP 1341695 B1 20080618; ES 2307674 T3 20081201; HK 1058780 A1 20040604; JP 2004514603 A 20040520; US 2004045265 A1 20040311; US 2005138902 A1 20050630; WO 0242159 A1 20020530

DOCDB simple family (application)

**EP 00830771 A 20011123**; AT 01997435 T 20011107; AU 2251002 A 20011107; BR 0115530 A 20011107; CN 01819347 A 20011107; DE 60134492 T 20011107; EP 01997435 A 20011107; ES 01997435 T 20011107; HK 04100601 A 20040129; IT 0100560 W 20011107; JP 2002544307 A 20011107; US 43240703 A 20030522; US 97367204 A 20041026