

Title (en)
POSITIONING APPARATUS FOR EMPTY PRODUCT CONTAINERS

Title (de)
AUFSTELLVORRICHTUNG FÜR LEERGUTBEHÄLTER

Title (fr)
DISPOSITIF POUR METTRE DEBOUT DES RÉCIPIENTS CONSIGNÉS VIDES

Publication
EP 2054861 A1 20090506 (DE)

Application
EP 07788307 A 20070808

Priority

- EP 2007058218 W 20070808
- DE 102006039548 A 20060823
- DE 102006041888 A 20060906

Abstract (en)
[origin: WO2008022921A1] The invention relates to a positioning apparatus for empty product containers, in particular bottles or cans of an automatic return machine, the positioning apparatus comprising a device for setting the empty product container upright, in particular a bottle chute, a stabilizing device for stabilizing the upright empty product containers, and a conveyer belt, which is arranged downstream of the stabilizing device, for transporting the empty product container out of the stabilizing device. The stabilizing device is mounted movably and can be accelerated by means of an acceleration drive to a speed in the region of the conveying speed of the conveyor belt.

IPC 8 full level
G07F 7/06 (2006.01)

CPC (source: EP)
G07F 7/0609 (2013.01)

Citation (search report)
See references of WO 2008022921A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
WO 2008022921 A1 20080228; AT E467882 T1 20100515; DE 102006041888 B3 20080327; DE 502007003779 D1 20100624; DK 2054861 T3 20100906; EP 2054861 A1 20090506; EP 2054861 B1 20100512; NO 20091212 L 20090323; NO 337049 B1 20160111

DOCDB simple family (application)
EP 2007058218 W 20070808; AT 07788307 T 20070808; DE 102006041888 A 20060906; DE 502007003779 T 20070808; DK 07788307 T 20070808; EP 07788307 A 20070808; NO 20091212 A 20090323