

Title (en)
AUTOMATIC RECYCLING DEVICE FOR EMPTY CONTAINERS CLEANING MODULE AND METHOD FOR OPERATION OF THE AUTOMATIC RECYCLING DEVICE

Title (de)
RÜCKNAHMEAUTOMAT FÜR LEERGUTBEHÄLTER, REINIGUNGSMODUL UND VERFAHREN ZUM BETREIBEN DES RÜCKNAHMEAUTOMATEN

Title (fr)
DISPOSITIF AUTOMATIQUE DE RECYCLAGE POUR CONTENANTS VIDES, MODULE DE NETTOYAGE ET PROCEDE POUR FAIRE FONCTIONNER CE DISPOSITIF

Publication
EP 1673741 A1 20060628 (DE)

Application
EP 04790000 A 20041012

Priority
• DE 2004002298 W 20041012
• DE 10347565 A 20031014

Abstract (en)
[origin: WO2005041136A1] The invention relates to a automatic recycling device for empty containers, in particular bottles, tins etc., comprising a cleaning device, a recognition unit, an introduction unit for the empty containers, at least one transport run, formed by a conveyor belt and a cleaning module and a method for operation of the automatic recycling device in a cleaning mode. The aim of the invention is to provide a solution which permits an automatic or semi-automatic cleaning of the at least one transport run of the automatic recycling machine without the installation of stationary cleaning devices. Said aim is achieved, whereby the cleaning device is a separate module (8) which may be introduced into the automatic device by means of the introduction opening (2) and which may be transported through the automatic device by means of the conveyor belt (12). Retaining means (14, 21, 22) are provided which hold the cleaning module (8) fixed in a location with the conveyor belt (12) running, such that cleaning fluid escaping from the cleaning module (8) can be dosed onto the conveyor belt (12). A good cleaning of the conveyor belt (12) and the peripheral unit components is achieved due to the formation of foam and the wiping effect.

IPC 1-7
G07F 7/06; **B65G 45/00**

IPC 8 full level
B08B 1/02 (2006.01); **B08B 3/04** (2006.01); **G07F 7/06** (2006.01)

CPC (source: EP US)
B08B 1/20 (2024.01 - EP US); **B08B 3/041** (2013.01 - EP US); **G07F 7/0609** (2013.01 - EP US)

Citation (search report)
See references of WO 2005041136A1

Designated contracting state (EPC)
DE FR GB IT NL SE

DOCDB simple family (publication)
WO 2005041136 A1 20050506; CN 100524373 C 20090805; CN 1867951 A 20061122; DE 10347565 A1 20050519; DE 10347565 B4 20060810; DE 502004008926 D1 20090312; EP 1673741 A1 20060628; EP 1673741 B1 20090121; NO 20062175 L 20060515; NO 334492 B1 20140317; US 2006289276 A1 20061228

DOCDB simple family (application)
DE 2004002298 W 20041012; CN 200480030035 A 20041012; DE 10347565 A 20031014; DE 502004008926 T 20041012; EP 04790000 A 20041012; NO 20062175 A 20060515; US 39875806 A 20060406