

Title (en)

Filling failure judging device and filling device

Title (de)

Vorrichtung zur Beurteilung von Füllfehlern und Füllvorrichtung

Title (fr)

Dispositif d'évaluation d'une défaillance de remplissage et dispositif de remplissage

Publication

EP 1897848 B1 20110406 (EN)

Application

EP 07253588 A 20070910

Priority

JP 2006245448 A 20060911

Abstract (en)

[origin: EP1897848A1] A filling failure judging device (31) comprises a filling speed measurement means (25) for measuring a filling speed of filling a liquid into a container by one of a plurality of liquid filling means for filling a predetermined weight of liquid into each of a plurality of containers (40), wherein the container filled with the liquid by the filling speed is judged to be a failure of filling in the case where the filling speed measured by the filling speed measurement means is higher than a predetermined value. Due to the foregoing, whether or not the container is sufficiently filled with a liquid can be easily judged without stopping the filling device. Whether or not the container is sufficiently filled with a liquid may be judged by a weight of the container after the completion of filling. The filling device may include such a filling failure judging device.

IPC 8 full level

B67C 3/00 (2006.01); **B65B 57/14** (2006.01); **B67C 3/20** (2006.01); **B67C 3/32** (2006.01)

CPC (source: EP)

B65B 57/12 (2013.01); **B65B 57/145** (2013.01); **B67C 3/007** (2013.01); **B67C 3/20** (2013.01); **B67C 3/32** (2013.01)

Cited by

EP3202704A1; EP2974998A1; US10501301B2; WO2009136380A1; WO2019110218A1; EP3202704B1

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

DOCDB simple family (publication)

EP 1897848 A1 20080312; **EP 1897848 B1 20110406**; AT E504540 T1 20110415; CN 101143696 A 20080319; CN 101143696 B 20111221; DE 602007013660 D1 20110519; JP 2008062992 A 20080321; JP 4342544 B2 20091014; TW 200823146 A 20080601; TW I336311 B 20110121

DOCDB simple family (application)

EP 07253588 A 20070910; AT 07253588 T 20070910; CN 200710149652 A 20070910; DE 602007013660 T 20070910; JP 2006245448 A 20060911; TW 96133464 A 20070907