

Title (en)

Bottle cell with cladding for a cleaning machine

Title (de)

Flaschenzelle mit Auskleidung für eine Reinigungsmaschine

Title (fr)

Cellule de bouteille dotée d'un habillage pour une machine de nettoyage

Publication

EP 2251104 A1 20101117 (DE)

Application

EP 10155489 A 20100304

Priority

DE 102009021295 A 20090514

Abstract (en)

The bottle cell (220) has a cladding made of plastic, where the bottle cell is made of metal, and the cladding has three bars (210) formed such that the bars extend over a longitudinal direction of the bottle cell. The bars are fixed at a front surface of the bottle cell, and a fastening device is provided at the bars for fastening the cladding at a bottle retaining side end (222) of the bottle cell. A groove is provided at the bottle retaining side end of the bottle cell for retaining a projection.

Abstract (de)

Die Erfindung betrifft eine Flaschenzelle aus Metall zur Verwendung in einer Flaschenreiniguvorrichtung, wobei die Flaschenzelle eine Auskleidung aufweist, die vorzugsweise aus Kunststoff gebildet ist.

IPC 8 full level

B08B 9/42 (2006.01)

CPC (source: EP US)

B08B 9/423 (2013.01 - EP US)

Citation (applicant)

- DE 891469 C 19530928 - BERTELE LUDWIG
- WO 2009049865 A2 20090423 - KHS AG [DE], et al

Citation (search report)

- [X] DE 8914691 U1 19900201
- [X] WO 2009049865 A2 20090423 - KHS AG [DE], et al
- [X] GB 355584 A 19310827 - GORDON FOSTER HILL, et al
- [X] NL 8048 C
- [A] FR 1362609 A 19640605 - BAELE GANGLOFF STE NOUVELLE
- [A] US 5135014 A 19920804 - BESWICK FRANK [US]

Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

AL BA ME RS

DOCDB simple family (publication)

EP 2251104 A1 20101117; EP 2251104 B1 20130710; BR PI1001305 A2 20110322; CN 101884993 A 20101117;
DE 102009021295 A1 20101118; US 2010288671 A1 20101118

DOCDB simple family (application)

EP 10155489 A 20100304; BR PI1001305 A 20100414; CN 201010180319 A 20100510; DE 102009021295 A 20090514;
US 72459610 A 20100316