

Title (en)

Screw stopper removing machine for bottles contained in cases

Title (de)

Abschraubmaschine für mit Schraubkappen verschlossene Flaschen, welche sich in einem Kasten befinden

Title (fr)

Machine pour enlever les bouchons à vis de bouteilles contenues en caisses

Publication

EP 2385015 A1 20111109 (EN)

Application

EP 10425150 A 20100504

Priority

EP 10425150 A 20100504

Abstract (en)

A stopper removing machine for screw stopper bottles (12) that return in the firm after utilization inside proper cases (6), characterized in that the stopper removing operation is performed with the bottles (12) still contained in the cases (6). The unscrewing heads (11) of the machine are equipped by an automatic stopper expelling device (19) and are collected in a proper collecting box (20) from which the removed stoppers are swept away by means of a compressed air flow. The machine is compact and reduced in dimensions respect to the ones existing in the prior art, and it is also characterized to be of the "stand alone" type, that is it needs, for its complete operation, only electrical power and compressed air supply.

IPC 8 full level

B67B 7/18 (2006.01)

CPC (source: EP)

B67B 7/182 (2013.01)

Citation (search report)

- [XA] US 3803795 A 19740416 - OUELLETTE J
- [XA] US 4265071 A 19810505 - SMITH JAMES D, et al
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- [X] DE 2554903 A1 19770616 - OBMANN GEORG

Cited by

US11802033B2; EP3473586A1; WO2014023683A3; US10214404B2; US11332354B2; US11267683B2

Designated contracting state (EPC)

AL 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)

BA ME RS

DOCDB simple family (publication)

EP 2385015 A1 20111109

DOCDB simple family (application)

EP 10425150 A 20100504