

Title (en)

Electric can-opener.

Title (de)

Elektrisch angetriebener Dosenöffner.

Title (fr)

Ouvre-boîtes électrique.

Publication

**EP 0305713 A1 19890308 (DE)**

Application

**EP 88111488 A 19880716**

Priority

DE 3729259 A 19870902

Abstract (en)

[origin: JPS6470397A] PURPOSE: To provide a simple and economical mechanism for safety can-opening operation interruption by closing a power switch only when a cutter is attached to a can lid, and an elastic element is deformed. CONSTITUTION: Pushing a rim 41 of a can body 46 against a drive wheel 2 and turning a lever 22 rotate a shaft 7 with a coupling rod 19 to position a cutter 8 to the cutting position shown by the dotted line. A cutting blade 43 faces to rotation direction 42 at the front of the drive wheel 2. Because rod 19 is elastically deformable, the rod rotates the lever 22 to the position necessary for the actuation of a switch 38, as shown by the dotted line. As a result, the drive wheel 2 automatically runs over into a can lid 45 when it is driven, reaches the terminal cutting position, and the rod 19 is loosened. As long as the lever 22 is held at the position shown by the dotted line, the rim 41 of the can 46 is driven by the drive wheel 2, and a lid 45 is cut out by a cutter 8. With the lever 22 returned to the recovery position, the switch 38 is actuated to turn off the drive motor.

Abstract (de)

Der elektrisch angetriebene Dosenöffner besteht aus einem einen Antriebsmechanismus aufnehmenden Gehäuse (1), einem auf der Außenseite einer Gehäusewand (3) angeordneten, antreibbaren Transportrad (2), einem im Abstand von dem Transportrad (2) an der Gehäusewand (3) drehbar gelagerten Messer (8) und einem von Hand zu betätigenden und am Gehäuse (1) gelagerten Betätigungsorgan (22), durch das das Messer (8) aus einer Ansetzposition in eine Schneidposition schwenkbar und der Antriebsmotor durch einen Schalter (38) einschaltbar ist. Das Betätigungsorgan (22) und das Messer (8) sind durch ein federelastisches Element (19) miteinander verbunden.

IPC 1-7

**B67B 7/74**

IPC 8 full level

**B67B 7/70** (2006.01); **B25F 3/00** (2006.01); **B67B 7/46** (2006.01); **B67B 7/74** (2006.01); **B67B 7/90** (2006.01)

CPC (source: EP US)

**B67B 7/38** (2013.01 - EP US)

Citation (search report)

- [X] US 3881247 A 19750506 - NIWA TATUO
- [A] US 3550271 A 19701229 - MEYER DONALD R, et al
- [A] US 3277570 A 19661011 - MCLEAN ROBERT E

Designated contracting state (EPC)

AT CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

**EP 0305713 A1 19890308**; **EP 0305713 B1 19910508**; AT E63290 T1 19910515; CA 1321471 C 19930824; DE 3729259 A1 19890323; DE 3862721 D1 19910613; ES 2021799 B3 19911116; JP H0641319 B2 19940601; JP S6470397 A 19890315; US 4922617 A 19900508

DOCDB simple family (application)

**EP 88111488 A 19880716**; AT 88111488 T 19880716; CA 574641 A 19880812; DE 3729259 A 19870902; DE 3862721 T 19880716; ES 88111488 T 19880716; JP 21154488 A 19880825; US 23115488 A 19880811