

Title (en)  
BOTTLE OPENER

Publication  
**EP 0033383 B1 19840912 (DE)**

Application  
**EP 80107968 A 19801217**

Priority  
DE 8002898 U 19800205

Abstract (en)  
[origin: EP0033383A1] 1. Bottle cap opener for bottles with crown cap, consisting of a flat, approximately cuboid shaped profiled body (1) of plastic with an opening on one side, provided in the area of the opening with a metal insert with recess, characterized in that the profiled body (1) has on one end an opening (3) in shape of a circle segment of diameter slightly larger than the crown cap and with a chord edge (5) parallel to the front edge (7) of the profiled body (1), and wherein a groove (11) encompasses the opening (3) on three sides, leaving the front edge (7) of the profiled body (1) free, and wherein the metal insert is pushed into the groove (11) and consists essentially of a rectangular, flat punched piece of sheet metal (13), with the opening in the metal insert having the shape of a circle segment (15) of similar contour as the opening (3) in the profiled body (1), but with slightly smaller diameter than the crown cap and located centrally, and wherein the lateral edges (17, 18) of the punched metal insert (13), located at right angles to the chord edge (5) of the circle segment shaped opening (3) are provided with saw-tooth like indentations (19) which secure the punched sheet metal piece (13) inserted into the profiled body (1).

IPC 1-7  
**B67B 7/16**

IPC 8 full level  
**B67B 7/16** (2006.01)

CPC (source: EP)  
**B67B 7/16** (2013.01)

Cited by  
CN103318822A; EP0407803A1

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**EP 0033383 A1 19810812; EP 0033383 B1 19840912**; AT E9317 T1 19840915; DE 3069192 D1 19841018; DE 8002898 U1 19800612

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