

Title (en)

DEVICE TO REMOVE LIQUID AND/OR GAS FROM CONTAINERS DESTINED FOR SCRAP

Publication

EP 0331038 A3 19910417 (DE)

Application

EP 89103273 A 19890224

Priority

DE 8802821 U 19880303

Abstract (en)

[origin: EP0331038A2] In order to provide such a mechanical device for emptying hollow bodies (9), which can be operated from a safe distance or from an explosion-proof cabin, at least one (4) of two mutually facing jaws (1, 4), which are movable relative to one another, carries at least one spike (13, 14) for puncturing the hollow body (9, 10), this spike for the most part reaching intermittently into the space (15) between the jaws (1, 4).

IPC 1-7

B30B 9/32; **B67B 7/48**

IPC 8 full level

B30B 9/32 (2006.01); **B65B 69/00** (2006.01); **B67B 7/48** (2006.01); **B67C 9/00** (2006.01)

CPC (source: EP)

B30B 9/32 (2013.01); **B65B 69/0041** (2013.01); **B67B 7/24** (2013.01)

Citation (search report)

- [X] FR 1587720 A 19700327
- [X] DE 2832357 A1 19790426 - TREWHELLA BROTHERS U K
- [E] DE 8811799 U1 19881103
- [T] PATENT ABSTRACTS OF JAPAN, Band 14, Nr. 203 (M-966)[4146], 25. April 1990; & JP-A-2 041 798 (KOWA KOGYO K.K.) 09-02-1990

Designated contracting state (EPC)

AT CH DE ES GB IT LI NL

DOCDB simple family (publication)

DE 8802821 U1 19880714; EP 0331038 A2 19890906; EP 0331038 A3 19910417; ES 2010486 A4 19891116

DOCDB simple family (application)

DE 8802821 U 19880303; EP 89103273 A 19890224; ES 89103273 T 19890224