

Title (en)  
Device for emptying containers.

Title (de)  
Vorrichtung zum Entleeren von Behältern.

Title (fr)  
Dispositif pour la vidange de récipients.

Publication  
**EP 0529219 B1 19950426 (DE)**

Application  
**EP 92110097 A 19920616**

Priority  
DE 4128955 A 19910830

Abstract (en)  
[origin: US5322407A] In order to make it possible to empty in particular, large containers with a crew of just one person, an emptying device with a tilting/lifting device 1 and a control unit 4 is described to which a trigger switch 2 is connected which is actuated by the container to be emptied as it approaches the lifting/tilting device and which triggers the raising phase of the lifting/tilting process automatically. When a preset raised level of the lifting/tilting device is reached the control unit interrupts the raising phase. In addition, a first manual actuator 8 to trigger the automatic emptying process, which actuator has an effect upon the control unit 4 only after the interruption of the lifting process, is connected to the control unit. The control unit 4 contains a programmable device 5 into which the preset raised level can be inputted. The programmable device 5 also assumes the function of monitoring the preset time spans, such as the time span between the actuation of the trigger switch 2 and the actuation of the acknowledgement signal switch 3. After the container is emptied, putting the container back down completely is accomplished by means of a second manual actuator 9.

IPC 1-7  
**B65F 3/04**

IPC 8 full level  
**B65F 3/02** (2006.01); **B65F 3/04** (2006.01); **B65F 3/00** (2006.01)

CPC (source: EP KR US)  
**B65F 3/00** (2013.01 - KR); **B65F 3/04** (2013.01 - EP US); **B65F 3/001** (2013.01 - EP US)

Cited by  
DE4343811C1

Designated contracting state (EPC)  
AT BE CH DE ES FR GB GR IT LI LU NL PT SE

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**US 5322407 A 19940621**; AT E121700 T1 19950515; AU 2068792 A 19930304; AU 656788 B2 19950216; CA 2077174 A1 19930301; CA 2077174 C 19971202; CZ 211992 A3 19930317; CZ 285163 B6 19990512; DE 4128955 C1 19921105; DE 59202017 D1 19950601; EP 0529219 A2 19930303; EP 0529219 A3 19930519; EP 0529219 B1 19950426; ES 2071381 T3 19950616; HU 215865 B 19990329; HU 9202783 D0 19921228; HU T61942 A 19930329; IE 67326 B1 19960320; IE 922554 A1 19930310; JP 3333240 B2 20021015; JP H05208704 A 19930820; KR 100228232 B1 19991101; KR 930004166 A 19930322; PL 169945 B1 19960930; PL 295765 A1 19930504; RU 2087395 C1 19970820; SI 9200175 A 19930331; SI 9200175 B 20010228; SK 211992 A3 19950208; SK 279434 B6 19981104; TR 26165 A 19950215; YU 48493 B 19980918; YU 75892 A 19951003; ZA 926521 B 19930428

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**US 93625992 A 19920827**; AT 92110097 T 19920616; AU 2068792 A 19920730; CA 2077174 A 19920828; CS 211992 A 19920708; DE 4128955 A 19910830; DE 59202017 T 19920616; EP 92110097 A 19920616; ES 92110097 T 19920616; HU 9202783 A 19920828; IE 922554 A 19920731; JP 23080992 A 19920831; KR 920014784 A 19920817; PL 29576592 A 19920828; SI 9200175 A 19920818; SK 211992 A 19920708; SU 5052343 A 19920817; TR 79692 A 19920817; YU 75892 A 19920807; ZA 926521 A 19920828