

Title (en)  
LIFTING/TIPPING OR TIPPING APPARATUS FOR EMPTYING CONTAINERS OF VARYING SIZES

Publication  
**EP 0010719 B1 19830309 (DE)**

Application  
**EP 79104094 A 19791023**

Priority  
DE 2847259 A 19781031

Abstract (en)  
[origin: ES485586A1] A hoisting and tipping construction, for emptying containers of different sizes, has two individual hoisting and tipping devices arranged side by side, which can be actuated either separately or else together and which are provided with individual pick-up structures each one of which is able to pick up a container to be emptied. Both of the pick-up structures are arranged so that they can simultaneously pick up a single large container. The individual hoisting and tipping devices are equipped with identical pressure-medium motors, connected to identical pressure-medium circuits that are interconnected at their feed lines, which lead from their individual control valves to the motors, through a shut-off or change-over valve that is able to connect the two pressure-medium circuits to each other as desired.

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IPC 8 full level  
**B65F 3/04** (2006.01); **B65G 65/30** (2006.01); **B65G 67/04** (2006.01); **B65F 3/02** (2006.01)

CPC (source: EP US)  
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Cited by  
EP0844198A1; WO9902433A1; US5004392A; US5503512A; EP0386569A1; NL1004577C2; EP0820941A1; EP0463386A1; DE19729297A1; DE19729297C2; EP0493571A4; EP0423682A1; GB2237791A; US5145305A; GB2237791B; CN111731887A; US6167795B1; US6607572B2; WO8600601A1; WO8503689A3

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DOCDB simple family (application)  
**EP 79104094 A 19791023**; AT 79104094 T 19791023; AU 5232079 A 19791030; BR 7907068 A 19791031; CA 338719 A 19791030; CS 737579 A 19791030; DD 21659179 A 19791031; DE 2847259 A 19781031; DE 2965001 T 19791023; DK 447479 A 19791024; ES 485586 A 19791031; JP 14002579 A 19791031; NO 793414 A 19791024; PL 21936079 A 19791031; PT 7039179 A 19791030; US 8951879 A 19791030; YU 266179 A 19791031; ZA 795811 A 19791030