

Title (en)  
CONTAINER PUMP

Publication  
**EP 0282956 A3 19890426 (DE)**

Application  
**EP 88104035 A 19880314**

Priority  
• DE 3708496 A 19870316  
• DE 3718325 A 19870601

Abstract (en)  
[origin: EP0282956A2] The container pump has a sliding sleeve (13) at the bottom end of its housing shell (5), which in the open position frees the inlet apertures (11) at the bottom end of the housing shell (5) and in the closed position, in which it is applied against a base plate (12), closes these inlet apertures. The base plate (12) projects in a radial direction beyond the housing shell (5), thereby sealing the pump off from below. Fluid can thereby be admitted only via the inlet apertures provided on the circumference of the pump's housing shell (5). Displacement of the sliding sleeve (13) is achieved by the provision of thrust pieces (19) on the underside of the sliding sleeve, which in the closed position project downwards beyond the base plate (12) and when the pump is switched on are forced upward against the action of a spring (15) loading the sliding sleeve (13) owing to the downward acting weight of the pump, as a result of which the sliding sleeve (13) is released from its sealing seat on the base plate (12) thereby permitting the entrance of fluid through the inlet apertures (11). When the pump lifts, the sliding sleeve (13) is forced back into its closed position by the spring (15). The sliding sleeve can also be operated manually by an operating device. <IMAGE>

IPC 1-7  
**F04D 13/08**

IPC 8 full level  
**F04D 13/08** (2006.01); **F04D 15/00** (2006.01); **F04D 29/70** (2006.01)

CPC (source: EP US)  
**F04D 13/08** (2013.01 - EP US); **F04D 15/0005** (2013.01 - EP US)

Citation (search report)  
• [AD] DE 3412873 A1 19851017 - LUTZ FA KARL [DE]  
• [A] US 1890683 A 19321213 - HUGHES OWEN J  
• [A] PATENT ABSTRACTS OF JAPAN, Band 8, Nr. 267 (M-343)[[704], 7. Dezember 1984; & JP-A-59 138 793 (HITACHI SEISAKUSHO K.K.) 09-08-1984  
• [A] PATENT ABSTRACTS OF JAPAN, Band 5, Nr. 127 (M-83)[799], 15. August 1981; & JP-A-56 064 192 (HITACHI SEISAKUSHO K.K.) 01-06-1981

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