

Title (en)
SELF-PRIMING REGENERATIVE PUMP FOR PUMPING LIQUEFIED GAS OUT OF A BURIED TANK

Publication
EP 0040569 B1 19830928 (FR)

Application
EP 81400774 A 19810515

Priority
FR 8010996 A 19800516

Abstract (en)
[origin: EP0040569A1] 1. Vertically axed pump for buried liquid gas tanks, comprising a pump body with vane wheels (40) keyed on to the driving shaft (5) and a suction mechanism connected to the pump body comprising a suction flange (20), a centrifugal wheel (31), a check valve (21, 22) and a closing valve (27) located in the base of a shaft and controlled in opposition to return springs (28), characterized in that the check valve (21, 22) joined to the suction flange (20) of centrifugal wheel (31) can communicate with the content of the tank by closing valve (27), and in that one or more discharge valves (32) located in a ring (25) of suction flange (20) make it possible to completely evacuate residual gas contained in the pump body, as well as between check valve (22) and closing valve (27).

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F04D 29/60

IPC 8 full level
F04D 9/00 (2006.01); **F04D 29/60** (2006.01)

CPC (source: EP)
F04D 9/008 (2013.01); **F04D 29/608** (2013.01)

Cited by
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