

Title (en)
Hydraulic lifting device

Title (de)
Hydraulische Hubvorrichtung

Title (fr)
Dispositif de levage hydraulique

Publication
EP 1239167 B1 20050112 (DE)

Application
EP 02004809 A 20020302

Priority
DE 10110764 A 20010307

Abstract (en)
[origin: EP1239167A1] The lifting gear (10) has a motor (M) driving a pump (P) which draws oil from the reservoir (11). A bypass system (L1) with valves (18,19) may return some of the oil to the tank suction valve (12). The system includes a non-return valve (14) and a shutoff valve (15). There may be two actuator cylinders (13) with position sensors.

IPC 1-7
F15B 21/14; B66F 9/22

IPC 8 full level
B66F 9/22 (2006.01); **F15B 21/14** (2006.01)

CPC (source: EP)
B66F 9/22 (2013.01); **F15B 21/14** (2013.01)

Cited by
CN103195773A

Designated contracting state (EPC)
DE FR GB SE

DOCDB simple family (publication)
EP 1239167 A1 20020911; **EP 1239167 B1 20050112**; DE 10110764 A1 20020919; DE 50201975 D1 20050217

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