

Title (en)

OIL CONTAINER FOR SUPPLYING HYDRAULIC WORKING CIRCUITS SERVING FOR ACCUMULATION AND RESUMPTION OF RETURNED OIL

Publication

EP 0271702 B1 19921007 (DE)

Application

EP 87116360 A 19871106

Priority

DE 3643265 A 19861218

Abstract (en)

[origin: US4809745A] An oil container for the supply of hydraulic power circuits with a storage function and for receiving oil returned from the circuits. The oil container has storage means and comprises walls and internal partitions constituting a multifunctional system, the partitions defining a collection space adapted when required to accept at least a major part of the oil in the power circuit, an intake space for oil returned from the system, a transition space connected with an outlet of the intake space and separated from the intake space by an oil-permeable partition, a storage space connected with an outlet of the transition space and separated from the transition space by an oil-permeable partition so that the oil is returned into the oil container. The oil returning to the container owing to leakage or by the operation of valves is cooled, calmed, filtered and freed of bubbles on passing through the intake space and the transition space into the storage space. The oil container may if required have means for automatic control of at least the amount of oil in one of the spaces.

IPC 1-7

F15B 1/06

IPC 8 full level

F15B 1/26 (2006.01)

CPC (source: EP US)

F15B 1/26 (2013.01 - EP US); **Y10T 137/86212** (2015.04 - EP US); **Y10T 137/86228** (2015.04 - EP US); **Y10T 137/86324** (2015.04 - EP US)

Citation (examination)

DE-Zeitschrift "Fluid", Oktober 1974,S.52 bis 55

Cited by

EP4074966A1; EP0530685A1; US5356535A; WO8908783A1

Designated contracting state (EPC)

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EP 0271702 A2 19880622; EP 0271702 A3 19900425; EP 0271702 B1 19921007; AT E81388 T1 19921015; DE 3643265 A1 19880707; DE 3643265 C2 19900104; DE 3782148 D1 19921112; DK 161778 B 19910812; DK 161778 C 19920120; DK 596287 A 19880619; DK 596287 D0 19871113; US 4809745 A 19890307

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