

Title (en)

Hydraulic pump system with integrated distributor valve

Title (de)

Hydraulisches Pumpensystem mit integriertem Steuerschieber

Title (fr)

Système de pompe hydraulique avec distributeur intégré

Publication

EP 1985859 A3 20160928 (EN)

Application

EP 08398005 A 20080424

Priority

US 79015207 A 20070424

Abstract (en)

[origin: EP1985859A2] The present invention is concerning a hydraulic pump system with integrated distributor valve, which is generally applied in a hydraulic circuit normally constituted of an oil deposit (39), a cylinder (40), a module of Pneumatic control (41), and a hydraulic pump with integrated distributor valve (42). The system object of the present invention presents a reduction of the accidents and ruptures in the gear box, operates with higher pressures, reduces the vibrations and prevents clearances and consuming of the pump. The present invention is applicable mainly to power take off's (43) that are located in the gear box of the trucks.

IPC 8 full level

F04C 2/08 (2006.01); **F04C 2/18** (2006.01)

CPC (source: EP US)

F04C 2/086 (2013.01 - EP US); **F04C 2/18** (2013.01 - EP US); **F04C 2240/30** (2013.01 - EP US)

Citation (search report)

- [X] EP 1731765 A2 20061213 - HAMILTON SUNDSTRAND CORP [US]
- [X] DE 102004043954 A1 20060119 - VOIGT DIETER [DE]
- [X] DE 10343549 A1 20050414 - SCHWAEBISCHE HUETTENWERKE GMBH [DE]
- [X] DE 10324092 A1 20041216 - VOIGT DIETER [DE]
- [X] US 2003147758 A1 20030807 - HAVLIK JAMES B [US], et al

Cited by

WO2018158755A3

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 1985859 A2 20081029; EP 1985859 A3 20160928; US 2008267794 A1 20081030

DOCDB simple family (application)

EP 08398005 A 20080424; US 79015207 A 20070424