

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 A2 20081029 (EN)**

Application

**EP 08398005 A 20080424**

Priority

US 79015207 A 20070424

Abstract (en)

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

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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 (applicant)

- EP 0018216 A1 19801029 - SHUMATE DONALD L
- GB 1013263 A 19651215 - BORG WARNER

Cited by

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