

Title (en)

Drive system with a hydraulic piston machine

Title (de)

Antriebssystem mit einer hydraulischen Kolbenmaschine

Title (fr)

Système de propulsion avec machine hydraulique à piston

Publication

EP 1092869 A3 20030115 (DE)

Application

EP 00118401 A 20000824

Priority

DE 19949177 A 19991012

Abstract (en)

[origin: EP1092869A2] The vehicle drive system (1) has a hydraulic piston motor (2) and a clutch (31), operated (35) selectively to engage/disengage the motor (2) and drive shaft (11). The displacement vol. of the piston motor (2) is adjusted by a setting unit (23), and the setting is registered by a monitor (33) which establishes the position of at least the min. displacement vol. The clutch operating system (35) is activated so that the clutch (31) is opened on detection of the min. displacement vol., and closed when the monitor (23) registers a displacement vol. above the min. level. The monitor (33) has a feeler mechanism (36) to register the position of the moving part (6) of the setting system (23), using a pin (37) moving within a guide hole (37a) through the peripheral wall (4d) of the motor housing (4).

IPC 1-7

F03C 1/06

IPC 8 full level

F03C 1/40 (2006.01)

CPC (source: EP)

F03C 1/0686 (2013.01)

Citation (search report)

- [X] US 4401182 A 19830830 - POLLMAN FREDERIC W [US]
- [X] US 4579043 A 19860401 - NIKOLAUS HEINRICH [DE], et al
- [A] US 4461188 A 19840724 - FISHER ALAN R [US]
- [A] FR 2628039 A1 19890908 - PEUGEOT [FR], et al

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DOCDB simple family (publication)

EP 1092869 A2 20010418; EP 1092869 A3 20030115; EP 1092869 B1 20061122; DE 19949177 A1 20010613; DE 19949177 C2 20020418; DE 50013767 D1 20070104

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