

Title (en)
Power transmission.

Title (de)
Kraftübertragung.

Title (fr)
Transmission de puissance.

Publication
EP 0045928 A1 19820217 (EN)

Application
EP 81106075 A 19810804

Priority
US 17736980 A 19800811

Abstract (en)
A hydraulic system comprising a fixed displacement pump (10) driven by a prime mover operable at variable speeds and a flow control valve (18) operable to return a portion of the hydraulic fluid from the outlet of the pump (10) to the inlet (17) of the pump (10) and draw fluid from a reservoir (14) to replenish the fluid at the inlet (17) when the pump (10) is operated at higher speeds. An auxiliary passage (26, 27) extends from the reservoir (14) and communicates with the inlet (17) of the pump (10) upstream from the system flow drawn from the reservoir (14) by the opening of the flow control valve (18) and normally isolated during low speed operation from the bypass flow (25) by the flow control valve (18, 21) thereby providing auxiliary flow to the inlet (17) at lower speeds.

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CPC (source: EP)
F04C 14/26 (2013.01)

Citation (search report)
• US 3644065 A 19720222 - LETTENMAYER ROLF-DIETER, et al
• GB 2019940 A 19791107 - FORD MOTOR CO
• US 3253607 A 19660531 - DRUTCHAS GILBERT H

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EP1674729A3

Designated contracting state (EPC)
DE FR GB IT SE

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EP 0045928 A1 19820217; **EP 0045928 B1 19851121**; AU 545989 B2 19850808; AU 7185081 A 19820218; CA 1160538 A 19840117; DE 3172983 D1 19860102; IN 153744 B 19840818; JP H0138708 B2 19890816; JP S5752686 A 19820329

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EP 81106075 A 19810804; AU 7185081 A 19810615; CA 379723 A 19810615; DE 3172983 T 19810804; IN 625CA1981 A 19810610; JP 10992381 A 19810714