Title (en)

Load sensing control with flushing circuit

Title (de)

Lastdruckgeführter Förderstromregler mit Spülkreislauf

Title (fr)

Régulateur de débit à détection de charge avec circuit de rinçage

Publication

EP 0869285 A3 19990922 (DE)

Application

EP 98103929 A 19980305

Priority

DE 19713934 A 19970404

Abstract (en)

[origin: EP0869285A2] The regulator is for a hydraulic pump (2), feeding at feed pressure into a working conduit (5) with built-in measuring throttle (6). A scavenging circuit (30,38,40,39) branches off the working conduit upstream of the throttle, to scavenge the inner housing chamber of the pump. The circuit has a scavenging valve (30) connected to a load pressure record line (7). The valve interrupts the scavenging circuit, when the pressure in the load pressure record line exceeds a set first threshold value. When a load pressure is below the set first threshold, the scavenging valve throttles the flow through the scavenging circuit with increasing load pressure.

IPC 1-7

F04B 49/08

IPC 8 full level

F04B 49/08 (2006.01); **F04B 53/08** (2006.01); **F04B 53/18** (2006.01)

CPC (source: EP)

F04B 49/08 (2013.01); **F04B 53/08** (2013.01); **F04B 53/18** (2013.01); F04B 2205/061 (2013.01); F04B 2205/062 (2013.01); F04B 2205/09 (2013.01); F04B 2205/15 (2013.01)

Citation (search report)

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Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0869285 A2 19981007; **EP 0869285 A3 19990922**; **EP 0869285 B1 20020911**; DE 19713934 A1 19981008; DE 19713934 B4 20040603; DE 59805468 D1 20021017

DOCDB simple family (application)

EP 98103929 A 19980305; DE 19713934 A 19970404; DE 59805468 T 19980305