

Title (en)
DEVICE FOR CONTROLLING THE OPERATION OF HYDRAULIC ENGINES

Publication
EP 0391097 B1 19921021 (DE)

Application
EP 90104817 A 19900314

Priority
DE 3910728 A 19890403

Abstract (en)
[origin: EP0391097A1] In the case of a device for controlling the operation of hydraulic engines with steplessly variable eccentricity, a flow regulating valve being provided between a pump and the hydraulic engine supplied with pressure medium by the pump, and a control valve being provided for adjusting the eccentricity of the hydraulic engine as a function of the operating pressure required by the hydraulic engine, when optimising the pressure in order to keep the speed of rotation of the hydraulic engine constant, the hydraulic engine is provided with a control device (7, 10) which is mechanically connected to the eccentric (3) and transmits an adjustment of the eccentric outwards, this mechanical control device (7, 10) acting on the flow-regulating valve (17) in such a way that the flow-regulating valve (17) controls the quantity of pressure medium fed to the hydraulic engine as a function of the change in the eccentricity, such that the speed of rotation of the hydraulic engine is kept constant. <IMAGE>

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F03C 1/04

IPC 8 full level
F03C 1/16 (2006.01); **F03C 1/04** (2006.01); **F03C 1/40** (2006.01)

CPC (source: EP US)
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Cited by
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EP 0391097 A1 19901010; EP 0391097 B1 19921021; CA 2012510 A1 19901003; DD 297486 A5 19920109; DE 3910728 A1 19901004; DE 3910728 C2 19910606; DE 59000366 D1 19921126; RU 2013643 C1 19940530; US 5117634 A 19920602

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EP 90104817 A 19900314; CA 2012510 A 19900319; DD 33932690 A 19900402; DE 3910728 A 19890403; DE 59000366 T 19900314; SU 4743520 A 19900402; US 77151291 A 19911001