

Title (en)

CONTROL DEVICE FOR A SET OF SEVERAL PUMPS DRIVEN BY A COMMON ENERGY SOURCE

Publication

**EP 0043459 A3 19820120 (DE)**

Application

**EP 81104452 A 19810610**

Priority

DE 3024399 A 19800628

Abstract (en)

[origin: US4405287A] A regulating device is provided for an aggregate of several pumps driven by a primary source at least one of which is adjustable and with a constant volume auxiliary control pressure pump driven by the same primary source in the delivery line of which a restrictor is located with the pressure gradient in front of and following the restrictor acting on the control pressures of an hydraulically regulated discharge valve in a drain line connected to the delivery line of the auxiliary pump, the drain line being connected in front of the restrictor, adjusting means connected to each adjustable pump and a control pressure line to which all adjusting means are connected, branching off from the drain line ahead of the discharge valve.

IPC 1-7

**F04B 49/00**

IPC 8 full level

**F04B 23/04** (2006.01); **F04B 49/00** (2006.01)

CPC (source: EP US)

**F04B 49/002** (2013.01 - EP US)

Citation (search report)

- GB 1496141 A 19771230 - PRIESTMAN BROS LTD
- GB 2032140 A 19800430 - KOMATSU MFG CO LTD
- US 4080979 A 19780328 - HEIN ALLYN J
- FR 2300914 A1 19760910 - BOSCH GMBH ROBERT [DE]
- [X] HYDRAULIC PNEUMATIC MECHANICAL POWER, Band 23, No. 271, Juli 1977, A.T. CLEMENTS "Power Economy with Hydrostatic Transmission, Seiten 257-261

Designated contracting state (EPC)

FR GB IT SE

DOCDB simple family (publication)

**EP 0043459 A2 19820113; EP 0043459 A3 19820120; EP 0043459 B1 19840912; BR 8104068 A 19820316; DE 3024399 A1 19820121; JP S5746082 A 19820316; US 4405287 A 19830920**

DOCDB simple family (application)

**EP 81104452 A 19810610; BR 8104068 A 19810626; DE 3024399 A 19800628; JP 9981981 A 19810629; US 27670481 A 19810623**