

Title (en)

VALVE ARRANGEMENT, CONNECTION PLATE FOR A HYDROSTATIC PISTON MACHINE, AND HYDROSTATIC PISTON MACHINE

Title (de)

VENTILANORDNUNG, ANSCHLUSSPLATTE FÜR EINE HYDROSTATISCHE KOLBENMASCHINE UND HYDROSTATISCHE KOLBENMASCHINE

Title (fr)

ENSEMBLE SOUPAPE, PLAQUE DE RACCORDEMENT POUR UNE MACHINE À PISTON HYDROSTATIQUE ET MACHINE À PISTON HYDROSTATIQUE

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Application

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Abstract (en)

[origin: WO2012025193A1] The invention relates to a valve arrangement, a connection plate, and a corresponding hydrostatic piston machine. The valve arrangement is provided in order to rectify a volumetric flow supplied by a hydraulic pump (2) to a first or second pump connection (10, 11). The valve arrangement comprises a first suction valve (6) arranged between a suction-side connection (3) of the valve arrangement and the first pump connection (10), a second suction valve (8) arranged between the suction-side connection (3) and the second pump connection (11), a first pressure valve (7) arranged between a pumping-side connection (4) of the valve arrangement and the second pump connection (11), and a second pressure valve (9) arranged between the pump-side connection (4) and the first pump connection (10). The first suction valve (6) is acted on by the pressure of the second pump connection (11) in the opening direction. Furthermore, the second suction valve (8) is acted on by the pressure of the first pump connection (10) in the opening direction.

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