

Title (en)

COMPACT ELECTROHYDRAULIC MOTOR PUMP UNIT

Title (de)

KOMPAKTES ELEKTROHYDRAULISCHES MOTORPUMPENAGGREGAT

Title (fr)

ENSEMBLE MOTOPOMPE ELECTROHYDRAULIQUE COMPACT

Publication

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Application

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Abstract (en)

[origin: DE10009587A1] The invention relates to a compact electrohydraulic motor pump unit comprising a housing (10) which forms a reservoir for a pressurised fluid. Said housing contains an electromotor (11) and has a first housing sealing section (12), a second housing sealing section (13) and a tubular housing mid-section (14) positioned therebetween. A support plate (35) for a pump (40) that can be driven by the electromotor (11) using a motor shaft (23) and that can be supplied by the pressurised fluid along a pressurised flow route to a delivery valve (88), is located between the second housing sealing section (13) and the electromotor (11). In order to reduce the number of sealing points between the interior and the exterior of the housing, the invention is characterised in that the delivery valve (88) is situated on the exterior of the second housing sealing section (13), that the second housing sealing section (13) and the tubular housing mid-section (14) lie adjacent to one another at their peripheries, sealing the interior of the housing (10) towards the exterior and that the support plate (35) is completely contained within the interior of the housing (10).

IPC 8 full level

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