

Title (en)
HYDRAULIC PRESSURE-SUPPLY AND CONTROL UNIT FOR A TRUCK-MOUNTED CONCRETE PUMP.

Title (de)
HYDRAULISCHES DRUCKVERSORGUNGS- UND STEUERAGGREGAT FÜR EINE AUTOBETONPUMPE.

Title (fr)
SYSTEME HYDRAULIQUE DE COMMANDE ET D'ALIMENTATION EN PRESSION POUR POMPE A BETON POUR CHANTIER AUTOROUTIER.

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Application
EP 94926895 A 19940826

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Abstract (en)
[origin: WO9507399A1] The invention concerns a hydraulic pressure-supply and control unit for a truck-mounted concrete pump (10) comprising a concrete-discharge rig (14), with hydraulic traverse and elevation drives, plus a hydraulic support device (30), both of which are connected in as hydraulic consumers supplied with hydraulic pressure by a joint pressure-supply unit fitted with an operating-mode selector valve (74) by means of which the pressure-supply unit can be connected either to a control valve system in the support device or to one in the discharge rig. Fitted as a hydraulic link element and also as a physical support for the control valves (68 to 72) of the discharge-rig control unit, for the mode-selector valve (74) and for switching elements in the pressure-supply unit (77) is a one-piece connector block (73) having a P-line (119), a T-line (132), a control line (166) and another return line (167, 168) which are designed as bores running in the direction of linkage. Coming off these bores are connection channels which open out in valve connection zones (163, 163', to 163<IV>) in an array of bores of proportional-control valves. Zones (102') in a load-signalling line (102) which are connected in series to each other by load-comparator valves (114) are each formed by a longitudinal bore (188, 188' to 188<IV>) starting, plugged, at the free end (164) of the connector block (73) plus cross-channels connecting the longitudinal bores with the output (117) of a load-comparator valve and with the input (116) of the adjacent load-comparator valve on the supply side.

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Citation (search report)
See references of WO 9507399A1

Cited by
WO2020157124A1; CN112610556A; CN102621993A; DE102019201182A1; CN113330174A; JP2022519053A; US11732488B2

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