

Title (en)  
HYDRAULIC STEERING DEVICE

Title (de)  
HYDRAULISCHE LENKEINRICHTUNG

Title (fr)  
MECANISME DE DIRECTION HYDRAULIQUE

Publication  
**EP 1497165 A2 20050119 (DE)**

Application  
**EP 03720170 A 20030313**

Priority

- DE 0300824 W 20030313
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- DE 10307943 A 20030225

Abstract (en)  
[origin: WO03091082A2] Disclosed is a power-assisted hydraulic steering device in which a metering device feeding a pressurizing agent to steering cylinders is actuated according to a turning angle of the steering wheel. An additional quantity of the pressurizing agent can be directed to the steering cylinders via a control block. The inventive control block is triggered via a control circuit in which a control pressure lying essentially below the load pressure required for transmitting the steering torque on the steering cylinder is effective. Also disclosed is a spring arrangement for the control block. Two springs are connected in parallel, one of which is actuated only once the control slider has been raised to a given position, whereby a characteristic line can be set, according to which the control slider is biased in the zero position by means of a minimal bias, any overlap can be overridden by means of a small difference in the control pressure, and the control pressure range required for notching up the control block is sufficiently large.

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**B62D 5/093**

IPC 8 full level  
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Citation (search report)  
See references of WO 03091082A2

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DOCDB simple family (publication)  
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