

Title (en)  
ELECTROHYDRAULIC BOOSTER

Title (de)  
ELEKTROHYDRAULISCHER VERSTÄRKER

Title (fr)  
AMPLIFICATEUR ÉLECTRO-HYDRAULIQUE

Publication  
**EP 2215368 A2 20100811 (DE)**

Application  
**EP 08848617 A 20081110**

Priority  
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• DE 102007054774 A 20071116

Abstract (en)  
[origin: WO2009062649A2] Disclosed is an electrohydraulic booster comprising an electromechanical transducer (2) and a hydromechanical power stage (10) which is connected to a pressurized medium supply (13) and encompasses a cylinder (8) and a piston (9) that can be moved therein along the working axis (5). The electromechanical transducer acts on a spool valve (23) which is associated with the hydromechanical power stage, is disposed at least in part inside the piston (9), is guided within a guiding bore in such a way as to be movable along the working axis, and has two first leading edges (38a, 38b) that cooperate with corresponding second leading edges (39a, 39b) located on the guiding bore in order to form a hydraulic sequential control. The guiding bore consists of two parts, i.e. a cylinder-mounted first section (25) and a second section (27) which can be moved along the working axis (5) and comprises the second leading edges (39a, 39b).

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**F15B 9/10** (2006.01)

CPC (source: EP US)  
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