

Title (en)
ELECTROHYDRAULIC BOOSTER

Title (de)
ELEKTROHYDRAULISCHER VERSTÄRKER

Title (fr)
AMPLIFICATEUR ÉLECTRO-HYDRAULIQUE

Publication
EP 2215368 B1 20160127 (DE)

Application
EP 08848617 A 20081110

Priority
• EP 2008009467 W 20081110
• DE 102007054533 A 20071115
• 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).

IPC 8 full level
F15B 9/10 (2006.01)

CPC (source: EP US)
F15B 9/10 (2013.01 - EP US); **Y10T 137/86614** (2015.04 - EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2009062649 A2 20090522; WO 2009062649 A3 20091112; DE 202008017285 U1 20090618; EP 2215368 A2 20100811;
EP 2215368 B1 20160127; ES 2562552 T3 20160304; JP 2011503482 A 201110127; JP 5286365 B2 20130911; US 2010224059 A1 20100909;
US 8074557 B2 20111213

DOCDB simple family (application)
EP 2008009467 W 20081110; DE 202008017285 U 20081110; EP 08848617 A 20081110; ES 08848617 T 20081110;
JP 2010533481 A 20081110; US 77918810 A 20100513