

Title (en)
Electro-hydraulic control device

Title (de)
Elektrohydraulische Steuereinrichtung

Title (fr)
Dispositif de commande électro-hydraulique

Publication
EP 2602492 A2 20130612 (DE)

Application
EP 12007409 A 20121030

Priority
DE 102011120767 A 20111210

Abstract (en)
The device (1) has a valve arrangement (16) comprising valves e.g. seat valves and slider valves. A position transducer (46) senses a position of an actuator element and generates a position signal to be applied to a controller. The controller comprises an input to receive the position signal and an output to predefine a pressure medium quantity to a pressure medium source. The controller comprises a logic circuit that supplies a pulsed actuation signal or a predefined actuation signal to outflow valves (34, 38) or an actuation signal or a predefined actuation signal to the source. The pressure medium source is designed as an adjustment pump or a rotational-speed-controlled constant pump (2).

Abstract (de)
Offenbart ist eine elektrohydraulische Steuereinrichtung und ein Verfahren zum Ansteuern einer derartigen elektrohydraulischen Steuereinrichtung, wobei beispielsweise eine Geschwindigkeitsregelung über eine mengenverstellbare Druckmittelquelle und eine Positionsregelung über eine Digitalhydraulik erfolgt.

IPC 8 full level
F15B 21/08 (2006.01)

CPC (source: EP US)
F15B 11/0426 (2013.01 - US); **F15B 11/046** (2013.01 - US); **F15B 21/087** (2013.01 - EP US); **F15B 2211/20515** (2013.01 - EP US); **F15B 2211/20538** (2013.01 - EP US); **F15B 2211/20546** (2013.01 - EP US); **F15B 2211/255** (2013.01 - EP US); **F15B 2211/30575** (2013.01 - EP US); **F15B 2211/328** (2013.01 - EP US); **F15B 2211/6309** (2013.01 - EP US); **F15B 2211/6313** (2013.01 - EP US); **F15B 2211/6336** (2013.01 - EP US); **F15B 2211/665** (2013.01 - EP US); **F15B 2211/6651** (2013.01 - EP US); **F15B 2211/6652** (2013.01 - EP US); **F15B 2211/6654** (2013.01 - EP US)

Citation (applicant)
• WO 02086327 A1 20021031 - LINJAMA MATTI [FI]
• WO 02086324 A2 20021031 - ELLIOTT TURBO [US], et al
• DE 10224689 A1 20031218 - BOSCH GMBH ROBERT [DE]

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AT14641U1; CN110848181A; EP2642132A3; EP3690258A4; WO2016096565A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2602492 A2 20130612; **EP 2602492 A3 20140521**; CN 103161785 A 20130619; DE 102011120767 A1 20130613; JP 2013122320 A 20130620; US 2013145926 A1 20130613

DOCDB simple family (application)
EP 12007409 A 20121030; CN 201210521723 A 20121207; DE 102011120767 A 20111210; JP 2012269003 A 20121210; US 201213709408 A 20121210