

Title (en)
ELECTRO-HYDROSTATIC ACTUATOR SYSTEM

Title (de)
ELEKTROHYDROSTATISCHES AKTUATORSYSTEM

Title (fr)
SYSTÈME D'ACTIONNEUR ÉLECTROHYDROSTATIQUE

Publication
EP 3880975 A1 20210922 (DE)

Application
EP 19790498 A 20191017

Priority
• DE 102018128318 A 20181113
• EP 2019078273 W 20191017

Abstract (en)
[origin: WO2020099060A1] The electro-hydrostatic actuator system according to the invention comprises a volume-variable and/or rotational-speed-variable hydro machine, which is driven by an electric motor, for providing a volume flow of an hydraulic fluid, and a main shaft which is movable by the hydraulic fluid and which has at least one first chamber, wherein the first chamber, with at least one first main hydraulic line and a first main valve, is hydraulically connected to the hydro machine via a connection line. The actuator system according to the invention further comprises a secondary shaft which is movable by the hydraulic fluid and which has at least one first chamber, wherein the first chamber, with at least one first secondary hydraulic line and a first secondary valve, is hydraulically connected to the hydro machine via a connection line. Furthermore, according to the invention, a hydraulic accumulator is hydraulically connected to the first secondary hydraulic line in the area between the first chamber of the secondary shaft and the first secondary valve.

IPC 8 full level
F15B 11/16 (2006.01); **B21D 24/14** (2006.01); **F15B 1/02** (2006.01)

CPC (source: EP US)
B21D 24/14 (2013.01 - US); **F15B 1/02** (2013.01 - EP); **F15B 1/021** (2013.01 - US); **F15B 1/024** (2013.01 - US); **F15B 11/16** (2013.01 - EP US); **F15B 11/20** (2013.01 - US); **F15B 11/22** (2013.01 - US); **B21D 24/14** (2013.01 - EP); **B30B 15/16** (2013.01 - EP); **F15B 2211/20515** (2013.01 - EP US); **F15B 2211/20546** (2013.01 - EP US); **F15B 2211/20561** (2013.01 - EP); **F15B 2211/212** (2013.01 - EP US); **F15B 2211/27** (2013.01 - EP US); **F15B 2211/30505** (2013.01 - EP US); **F15B 2211/3059** (2013.01 - EP); **F15B 2211/30595** (2013.01 - EP US); **F15B 2211/3138** (2013.01 - EP US); **F15B 2211/31523** (2013.01 - EP); **F15B 2211/31541** (2013.01 - EP US); **F15B 2211/31552** (2013.01 - EP US); **F15B 2211/613** (2013.01 - EP US); **F15B 2211/625** (2013.01 - EP US); **F15B 2211/7053** (2013.01 - EP); **F15B 2211/7128** (2013.01 - EP US)

Citation (search report)
See references of WO 2020099060A1

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)
DE 102018128318 A1 20200514; CN 113272562 A 20210817; EP 3880975 A1 20210922; EP 3880975 B1 20221207; US 11384778 B2 20220712; US 2022003250 A1 20220106; WO 2020099060 A1 20200522

DOCDB simple family (application)
DE 102018128318 A 20181113; CN 201980074208 A 20191017; EP 19790498 A 20191017; EP 2019078273 W 20191017; US 201917293181 A 20191017