

Title (en)

ACTUATION DEVICE FOR AT LEAST ONE FLUIDICALLY DRIVABLE LOAD

Title (de)

BETÄTIGUNGSVORRICHTUNG FÜR ZUMINDEST EINEN FLUIDISCH ANTREIBBAREN VERBRAUCHER

Title (fr)

DISPOSITIF D'ACTIONNEMENT POUR AU MOINS UNE CHARGE ENTRAÎNÉE PAR FLUIDE

Publication

EP 4367405 A1 20240515 (DE)

Application

EP 22772934 A 20220902

Priority

- DE 102021004608 A 20210911
- EP 2022074444 W 20220902

Abstract (en)

[origin: WO2023036701A1] The invention relates to an actuation device for at least one fluidically drivable load (10), such as a hydraulic actuator, consisting of at least one valve controller (V1) for controlling an alternating movement of each load (10) and at least one suspension device (14) which is connected between the valve controller (V1) and each load (10), wherein the suspension device (14) has an additional valve controller (V2), the valve piston (20) of which can be moved in a corresponding valve housing in a continuously adjustable manner. The invention is characterized in that a storage device (16) of the suspension device (14) is connected to the respective load (10) via a fluid path by means of the additional valve controller (V2) in a suspension position (V2.IV) of the valve piston (20) of the additional valve controller (V2). The invention additionally relates to a method for actuating the respective load (10) using such an actuation device.

IPC 8 full level

F15B 1/02 (2006.01); **E02F 9/22** (2006.01); **F15B 1/033** (2006.01)

CPC (source: EP KR)

E02F 9/2207 (2013.01 - EP KR); **E02F 9/2217** (2013.01 - KR); **E02F 9/2228** (2013.01 - EP KR); **E02F 9/2296** (2013.01 - EP KR); **F15B 1/021** (2013.01 - EP KR); **F15B 1/033** (2013.01 - EP KR); **E02F 9/2217** (2013.01 - EP); **F15B 2211/30515** (2013.01 - EP KR); **F15B 2211/329** (2013.01 - EP KR); **F15B 2211/413** (2013.01 - EP KR); **F15B 2211/41581** (2013.01 - EP KR); **F15B 2211/428** (2013.01 - EP KR); **F15B 2211/625** (2013.01 - EP KR); **F15B 2211/6303** (2013.01 - EP KR); **F15B 2211/6306** (2013.01 - EP KR); **F15B 2211/6313** (2013.01 - EP KR); **F15B 2211/7053** (2013.01 - EP KR); **F15B 2211/8613** (2013.01 - EP KR)

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

DE 102021004608 A1 20230316; AU 2022344475 A1 20240404; CN 117980609 A 20240503; EP 4367405 A1 20240515; KR 20240053600 A 20240424; WO 2023036701 A1 20230316

DOCDB simple family (application)

DE 102021004608 A 20210911; AU 2022344475 A 20220902; CN 202280061099 A 20220902; EP 2022074444 W 20220902; EP 22772934 A 20220902; KR 20247008236 A 20220902