

Title (en)
HYDRAULIC ACCUMULATOR

Title (de)
HYDROSPEICHER

Title (fr)
ACCUMULATEUR HYDRAULIQUE

Publication
EP 4278096 A1 20231122 (DE)

Application
EP 22719211 A 20220323

Priority
• DE 102021002023 A 20210417
• EP 2022057651 W 20220323

Abstract (en)
[origin: WO2022218665A1] 2. A hydraulic accumulator, in particular a piston accumulator, comprising a separation element (16) which is movably arranged in an accumulator housing (10) and which separates two media chambers (24, 26) from each other, and comprising a distance measuring device for monitoring the position of the separation element (16), is characterized in that the distance measuring device is in the form of a radar device (32) that includes a transmitter (42) emitting a primary signal which, upon at least partial reflection off the separation element (16), generates a secondary signal which, upon reception by a receiver (46), allows a position of the separation element (16) in the accumulator housing (10) to be determined.

IPC 8 full level
F15B 1/24 (2006.01); **F15B 1/04** (2006.01); **F15B 1/10** (2006.01); **F15B 1/12** (2006.01); **F15B 1/16** (2006.01)

CPC (source: EP US)
F15B 1/04 (2013.01 - EP); **F15B 1/103** (2013.01 - EP); **F15B 1/12** (2013.01 - EP US); **F15B 1/16** (2013.01 - US); **F15B 1/165** (2013.01 - EP); **F15B 1/24** (2013.01 - EP US); **F15B 2201/205** (2013.01 - EP); **F15B 2201/31** (2013.01 - EP US); **F15B 2201/3151** (2013.01 - EP); **F15B 2201/3152** (2013.01 - EP); **F15B 2201/3153** (2013.01 - EP); **F15B 2201/515** (2013.01 - EP US)

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 102021002023 A1 20221020; CN 220869749 U 20240430; EP 4278096 A1 20231122; JP 2024515491 A 20240410; US 2024110580 A1 20240404; WO 2022218665 A1 20221020

DOCDB simple family (application)
DE 102021002023 A 20210417; CN 202290000347 U 20220323; EP 2022057651 W 20220323; EP 22719211 A 20220323; JP 2023560090 A 20220323; US 202218555303 A 20220323