

Title (en)

HYDRAULIC MACHINE, HYDRAULIC ASSEMBLY HAVING THE HYDRAULIC MACHINE, AND HYDRAULIC AXLE HAVING THE HYDRAULIC MACHINE

Title (de)

HYDROMASCHINE, HYDRAULISCHES AGGREGAT MIT DER HYDROMASCHINE, UND HYDRAULISCHE ACHSE MIT DER HYDROMASCHINE

Title (fr)

MACHINE HYDRAULIQUE, UNITÉ HYDRAULIQUE COMPORTANT LA MACHINE HYDRAULIQUE ET AXE HYDRAULIQUE COMPORTANT LA MACHINE HYDRAULIQUE

Publication

EP 3737862 A1 20201118 (DE)

Application

EP 19700638 A 20190107

Priority

- DE 102018200345 A 20180111
- EP 2019050202 W 20190107

Abstract (en)

[origin: WO2019137862A1] A hydraulic machine (1) having a housing interior space (30) and having a group (16) of hydrostatic working chambers which are mounted in said housing interior space so as to be rotatable about an axis of rotation (18) and which, as the group rotates, are connectable alternately to a high pressure and to a low pressure of the hydraulic machine and exhibit leakage into the housing interior space, wherein a heat exchanger device (36) is accommodated in the housing interior space (30). A hydraulic assembly and a hydraulic axle, each having a hydraulic machine of said type, are also disclosed.

IPC 8 full level

F04B 1/20 (2020.01); **F03C 1/06** (2006.01); **F04B 53/08** (2006.01)

CPC (source: EP US)

F03C 1/0636 (2013.01 - EP); **F04B 1/20** (2013.01 - EP US); **F04B 1/2014** (2013.01 - EP); **F04B 1/2021** (2013.01 - US); **F04B 1/324** (2013.01 - US); **F04B 53/08** (2013.01 - EP US); **F03C 1/0636** (2013.01 - US); **F04B 1/2042** (2013.01 - US)

Citation (search report)

See references of WO 2019137862A1

Cited by

EP4060185A1; DE102021202489A1

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 102018200345 A1 20190711; CN 111566346 A 20200821; CN 111566346 B 20230530; EP 3737862 A1 20201118; EP 3737862 B1 20220622; US 11619214 B2 20230404; US 2020340460 A1 20201029; WO 2019137862 A1 20190718

DOCDB simple family (application)

DE 102018200345 A 20180111; CN 201980008095 A 20190107; EP 19700638 A 20190107; EP 2019050202 W 20190107; US 201916960970 A 20190107