

Title (en)

HYDROSATIC MACHINE COMPRISING A CAM RING

Title (de)

HYDROSTATISCHE MASCHINE MIT EINEM NOCKENRING

Title (fr)

MACHINE HYDROSTATIQUE COMPORTANT UNE BAGUE DE CAME

Publication

EP 3818266 B1 20220824 (FR)

Application

EP 19758791 A 20190703

Priority

- FR 1856142 A 20180703
- FR 2019051648 W 20190703

Abstract (en)

[origin: WO2020008145A1] The invention relates to a hydrostatic machine (1) comprising a stator (2) and a rotor (3). The stator (2) comprises an inner cylindrical surface (21) with a constant diameter and a cam ring (11) comprising a cam track (14) on the inner circumference thereof, the outer circumference of said cam ring being mounted in the aforementioned inner cylindrical surface (21). The hydrostatic machine also comprises two bearings (23, 24) which allow the rotation of the rotor (3) in relation to the stator (2) and which are mounted on the inner cylindrical surface (21) of the stator (2), axially either side of the cam ring (11), the cam ring (11) and the two bearings (23, 24) having the same outer diameter.

IPC 8 full level

F04B 1/10 (2006.01); **F04B 1/107** (2020.01)

CPC (source: EP US)

F01B 13/06 (2013.01 - US); **F01B 13/061** (2013.01 - US); **F04B 1/10** (2013.01 - EP US); **F04B 1/107** (2013.01 - EP US); **F04B 1/1071** (2013.01 - EP)

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

DOCDB simple family (publication)

WO 2020008145 A1 20200109; EP 3818266 A1 20210512; EP 3818266 B1 20220824; FR 3083573 A1 20200110; FR 3083573 B1 20201002; US 11841009 B2 20231212; US 2021285429 A1 20210916; US 2023400015 A1 20231214

DOCDB simple family (application)

FR 2019051648 W 20190703; EP 19758791 A 20190703; FR 1856142 A 20180703; US 201917257512 A 20190703; US 202318457459 A 20230829