

Title (en)

HYDRAULIC ROTARY MACHINE, AND VALVE PLATE FOR SAME

Title (de)

HYDRAULISCHE ROTATIONS MASCHINE UND VENTILPLATTE DAFÜR

Title (fr)

MACHINE ROTATIVE HYDRAULIQUE, ET PLATEAU DE DISTRIBUTION S'Y RAPPORTANT

Publication

**EP 3351793 A1 20180725 (EN)**

Application

**EP 16846538 A 20160914**

Priority

- JP 2015183215 A 20150916
- JP 2016077189 W 20160914

Abstract (en)

It includes a plurality of cylinders 2b formed on the cylinder block 2; a piston 6 slidably inserted into the cylinder 2b; a case 3 accommodating the cylinder block 2; and a valve plate 20 formed by a core member 21 and a resin layer 22 coating the core member 21, the valve plate 20 being interposed between the cylinder block 2 and an end cover 5 of the case 3. The valve plate 20 has a first land portion 30 formed by the resin layer 22, the first land portion 30 being in sliding contact with the cylinder block 2; and an outer-side non-contact portion 40 provided closer to an outer side in a radial direction than the first land portion 30, the outer-side non-contact portion 40 being separated away from the cylinder block 2. At least a part of the outer-side non-contact portion 40 is an exposed portion 50 where the core member 21 is exposed.

IPC 8 full level

**F04B 1/22** (2006.01); **F03C 1/253** (2006.01)

CPC (source: EP US)

**F01B 3/0076** (2013.01 - US); **F03C 1/0636** (2013.01 - EP); **F03C 1/0647** (2013.01 - EP); **F04B 1/122** (2013.01 - US); **F04B 1/20** (2013.01 - EP); **F04B 1/2021** (2013.01 - EP US); **F04B 1/2078** (2013.01 - US); **F04B 1/22** (2013.01 - US); **F04B 1/24** (2013.01 - US); **F04B 1/306** (2013.01 - US)

Citation (search report)

See references of WO 2017047667A1

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)

**EP 3351793 A1 20180725**; CN 108026904 A 20180511; JP 2017057790 A 20170323; US 2019145388 A1 20190516; WO 2017047667 A1 20170323

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**EP 16846538 A 20160914**; CN 201680052489 A 20160914; JP 2015183215 A 20150916; JP 2016077189 W 20160914; US 201615759519 A 20160914