

Title (en)

GEAR PUMP AND PRINTING APPARATUS PROVIDED WITH SAME

Title (de)

ZAHNRADPUMPE UND DAMIT AUSGESTATTETE DRUCKVORRICHTUNG

Title (fr)

POMPE À ENGRENAGES ET APPAREIL D'IMPRESSION DOTÉ DE CETTE DERNIÈRE

Publication

EP 3283768 A4 20181121 (EN)

Application

EP 16779779 A 20160414

Priority

- JP 2015084840 A 20150417
- JP 2016002032 W 20160414

Abstract (en)

[origin: WO2016166985A1] The present invention relates to a gear pump or the like able to effectively prevent excess heat generation between a gear shaft and a journal bearing. A gear pump (1) that lubricates gear shafts (14, 15) on which gears (12, 13) are attached and journal bearings (62, 63) that rotatably support the gear shafts (14, 15) with an ultraviolet-curable ink that is a transport target, in which a width diameter ratio that is a ratio of a bearing length of the journal bearings (62, 63) to the shaft diameter of the gear shafts (14, 15) is 0.5 to 2.0, and a clearance ratio that is a ratio of a radial clearance between the gear shafts (14, 15) and the journal bearings (62, 63) to the shaft radius of the gear shafts (14, 15) is 0.0009 to 0.01.

IPC 8 full level

B41J 2/01 (2006.01); **B41J 2/175** (2006.01); **B41J 2/18** (2006.01); **B41J 29/38** (2006.01); **F04C 2/18** (2006.01); **F04C 15/00** (2006.01)

CPC (source: EP)

B41J 2/175 (2013.01); **B41J 2/17596** (2013.01); **B41J 2/18** (2013.01); **B41J 29/38** (2013.01); **F01C 21/02** (2013.01); **F01C 21/10** (2013.01); **F04C 2/086** (2013.01); **F04C 2/14** (2013.01); **F04C 15/06** (2013.01); **F04C 13/001** (2013.01); **F04C 2210/205** (2013.01); **F04C 2240/56** (2013.01); **F04C 2240/60** (2013.01); **F04C 2270/17** (2013.01)

Citation (search report)

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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 2016166985 A1 20161020; CN 107532588 A 20180102; EP 3283768 A1 20180221; EP 3283768 A4 20181121; JP 2016205170 A 20161208

DOCDB simple family (application)

JP 2016002032 W 20160414; CN 201680021962 A 20160414; EP 16779779 A 20160414; JP 2015084840 A 20150417