

Title (en)
CLAW PUMP

Title (de)
KLAUENPUMPE

Title (fr)
POMPE À GRIFFES

Publication
EP 3189236 A2 20170712 (DE)

Application
EP 15759706 A 20150827

Priority
• DE 202014007117 U 20140905
• EP 2015069637 W 20150827

Abstract (en)
[origin: WO2016034485A2] Disclosed is a claw pump having two rotor shafts (14) which each support a plurality of rotors (10, 12). In a preferred embodiment, the rotor shafts (14) form a single piece together with the associated rotors (10, 12). The rotor shafts (14) are arranged together with the rotors (10, 12) in a pump housing (16, 18), wherein a plurality of pump stages are formed by the pump housing and the corresponding rotor pairs (10, 12). In order to simplify assembly, the rotor shafts (14) form a single piece together with the associated rotors (10, 12) and the pump housing is formed in two parts. In a preferred embodiment, a separation plane (24) of the pump housing (16, 18) runs transversely across the rotor shafts (14).

IPC 8 full level
F04C 18/12 (2006.01); **F04C 23/00** (2006.01)

CPC (source: CN EP KR)
F04C 18/123 (2013.01 - CN EP KR); **F04C 18/126** (2013.01 - CN EP KR); **F04C 23/001** (2013.01 - CN EP KR); **F04C 25/02** (2013.01 - CN); **F04C 2240/20** (2013.01 - CN); **F04C 2240/30** (2013.01 - CN EP KR)

Citation (search report)
See references of WO 2016034485A2

Citation (examination)
EP 1020645 A1 20000719 - TOYODA AUTOMATIC LOOM WORKS [JP]

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 202014007117 U1 20151209; CN 106662107 A 20170510; CN 106662107 B 20200110; EP 3189236 A2 20170712; JP 2017527735 A 20170921; JP 2020056409 A 20200409; JP 6643323 B2 20200212; KR 20170053665 A 20170516; TW 201621167 A 20160616; TW I626379 B 20180611; WO 2016034485 A2 20160310; WO 2016034485 A3 20160506

DOCDB simple family (application)
DE 202014007117 U 20140905; CN 201580047420 A 20150827; EP 15759706 A 20150827; EP 2015069637 W 20150827; JP 2017512733 A 20150827; JP 2020000416 A 20200106; KR 20177009058 A 20150827; TW 104128749 A 20150901