

Title (en)

INTERNAL GEAR TYPE PUMP WITH BUILT-IN MOTOR AND ELECTRONIC DEVICE

Title (de)

INTERNE GETRIEBEPUMPE MIT EINGEBAUTEM MOTOR UND ELEKTRONISCHE VORRICHTUNG

Title (fr)

POMPE À ENGRENAGES INTÉRIEURS AVEC MOTEUR INTÉGRÉ ET DISPOSITIF ÉLECTRONIQUE

Publication

**EP 1933033 A1 20080618 (EN)**

Application

**EP 06767592 A 20060629**

Priority

- JP 2006312975 W 20060629
- JP 2005190933 A 20050630

Abstract (en)

A motor-mounted internal gear pump 80 includes: a pump part 81 which sucks and discharges hydraulic fluid; and a motor part 82 which drives the pump 81. The pump part 81 includes: an inner rotor 1 with teeth on its outer surface; an outer rotor 2 with teeth on its inner surface to mesh with the teeth of the inner rotor; and pump casings 3, 4 which house the inner rotor 1 and the outer rotor 2. The motor part 82 includes a rotator 11 and a stator 12 which rotates the rotator 11. A common member 112 of permanent magnet material as resin containing magnetic powder serves as the rotator 11 and the outer rotor 2. This structure assures further inexpensiveness and reliability while maintaining compactness and inexpensiveness in functions.

IPC 8 full level

**F04C 2/10** (2006.01); **F04C 13/00** (2006.01); **F04C 15/00** (2006.01)

CPC (source: EP KR US)

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Citation (search report)

See references of WO 2007004503A1

Cited by

DE102017200708A1; DE102014226002B4; DE102010002566A1; WO2013037534A1; WO2012045535A3; WO2012038199A3; DE102010027838A1; WO2011128165A2; DE102010041995A1; WO2012045535A2; WO2011107307A2; DE102010002585A1; WO2018134019A1; DE102009028098A1; DE102009028095A1; DE102009045030A1; DE102010029338A1; WO2011147638A2

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