

Title (en)

Variable discharge gear pump.

Title (de)

Zahnradpumpe mit veränderlichen Auslassvolumen.

Title (fr)

Pompe à engrenages à refoulement variable.

Publication

EP 0258797 A2 19880309 (EN)

Application

EP 87112353 A 19870825

Priority

- JP 11756087 A 19870513
- JP 20248786 A 19860827

Abstract (en)

An improved variable discharge internal gear pump having a pump housing (1, 1a) and a gear set mounted in the pump housing and consisting of an outer rotor (3) and an inner rotor (4). The relative position between the gear set and the suction port and the discharge port formed in the pump housing are variable, thereby making the discharge volume variable. Three means for this purpose are proposed.

IPC 1-7

F04C 15/04

IPC 8 full level

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CPC (source: EP KR)

F04B 13/00 (2013.01 - KR); **F04C 14/14** (2013.01 - EP); **F04C 2/102** (2013.01 - EP)

Cited by

DE4231690A1; FR2865507A1; CN100390416C; EP0846861A1; US6126420A; CN1114041C; DE10207348C2; DE10207350C5; DE10207350C2; EP2894294A1; CN104776017A; US10167866B2; US7153110B2; WO2004057191A1

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