

Title (en)
Gear pump

Title (de)
Zahnradpumpe

Title (fr)
Pompe à engrenages

Publication
EP 0737812 B1 19990728 (DE)

Application
EP 96102934 A 19960228

Priority
DE 19514021 A 19950413

Abstract (en)
[origin: EP0737812A1] The teeth of the gearwheels in their circulating direction in front of the plane contg. the gearwheel axes form a pressure zone communicating with a pressure conduit and a pressure nodule and in the circulating direction behind the plane a suction zone. This suction zone communicates with a suction conduit and with a suction nodule. In the circulating direction of the delivery gearwheels, behind the suction zone, is a feed zone which can be fed with excess pump medium from the gearwheel pump at excess pressure and increased flow speed. The suction nodule extending over the suction-side cross point (12) is connected with the feed zone (channel 7).

IPC 1-7
F04C 2/10; **F04C 15/02**

IPC 8 full level
F04C 29/06 (2006.01); **F04B 49/02** (2006.01); **F04C 2/10** (2006.01); **F04C 15/00** (2006.01); **F04C 15/06** (2006.01); **F04C 28/10** (2006.01); **F04C 28/26** (2006.01); **F04C 29/00** (2006.01); **F04C 29/12** (2006.01)

CPC (source: EP US)
F04C 15/062 (2013.01 - EP US)

Cited by
EP1837523A1; US7699738B2

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ES FR GB IT

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