

Title (en)

Internal gear pump for hydraulic fluids

Title (de)

Innenzahnradpumpe für Hydraulikflüssigkeit

Title (fr)

Pompe à engrenages internes pour fluide hydraulique

Publication

EP 0579981 B1 19961023 (DE)

Application

EP 93110326 A 19930629

Priority

DE 4221326 A 19920629

Abstract (en)

[origin: EP0579981A1] The internal gear pump has for every tooth cell an outlet valve. The teeth of internal wheel (39) and external wheel (40) are designed in such a manner that the tooth cells arising are very small. In particular, the driving flanks (41) of the teeth in engagement form a gap with a gap width of 20 - 60 μ m. Outside the pitch circle, the gap may widen to a gap width of more than 60 μ m but less than 300 μ m. <IMAGE>

IPC 1-7

F04C 2/08; **F04C 15/02**

IPC 8 full level

F04C 2/08 (2006.01); **F04C 15/06** (2006.01)

CPC (source: EP)

F04C 2/084 (2013.01); **F04C 15/068** (2013.01)

Cited by

US11994016B2; DE102016121240A1; US2016273535A1; US10138885B2; FR2712638A1; GB2284638A; GB2284638B; US11371326B2; US11092153B2; US11644351B2; US11591899B2; US11920469B2; US10584702B2; US11162493B2; US11434905B2; US11499563B2; US11913464B2

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