

Title (en)

GEAR-TYPE MACHINE WITH RELIEF MEANS FOR THE LIQUID IN THE INTERENGAGEMENT SPACE BETWEEN THE TEETH

Publication

EP 0004120 B1 19830406 (DE)

Application

EP 79200119 A 19790309

Priority

DE 2810563 A 19780310

Abstract (en)

[origin: US4290739A] In an external or internal gear pump or gear motor with one pair of helical spur gears, the trapping of fluid in the enclosed tooth cavity and the risk for cavitation in the said enclosed tooth cavity is considerably reduced by the shift of the pressure port connected and the suction port connected relief grooves at the leading lateral face of the helical gears in the direction of the suction port and the shift of the pressure port connected and suction port connected relief grooves at the lagging lateral face of the helical gears in the direction of the pressure port.

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F04C 2/08; F16H 57/02

IPC 8 full level

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CPC (source: EP US)

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DOCDB simple family (publication)

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