

Title (en)
INTERNALLY-MESHING GEARS MACHINE

Publication
EP 0226177 B1 19890301 (DE)

Application
EP 86117212 A 19861210

Priority
DE 3544857 A 19851218

Abstract (en)
[origin: US4778363A] An internal-gear machine such as pump comprises a casing with an internally toothed annular gear rotatably mounted therein. An externally toothed pinion meshes with the internal teeth of the annular gear, and a generally sickle-shaped filling member which is split approximately in a circumferential direction is disposed in the clearance between the pinion and the annular gear. The end faces of the filling member portions which are towards the intake side of the machine may be of a convexly curved configuration and bear against a support element fixedly connected only to one wall of the casing so as to be radially slidable thereagainst and also pivotable about a pivot axis parallel to the axis of the pinion. Alternatively the end faces of the filling member portions may be flat and bear radially slidably against an intermediate element pivotally supported on an at least part-cylindrical peg fixed to only one wall of the casing.

IPC 1-7
F04C 2/10

IPC 8 full level
F04C 2/10 (2006.01)

CPC (source: EP US)
F04C 2/101 (2013.01 - EP US)

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DE FR GB IT

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EP 0226177 A1 19870624; EP 0226177 B1 19890301; DE 3544857 A1 19870619; DE 3544857 C2 19940929; DE 3662214 D1 19890406; US 4778363 A 19881018; US 4780071 A 19881025

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EP 86117212 A 19861210; DE 3544857 A 19851218; DE 3662214 T 19861210; US 17231888 A 19880322; US 94338886 A 19861217