

Title (en)  
INTERNAL-GEAR PUMP

Publication  
**EP 0244575 B1 19900613 (DE)**

Application  
**EP 87102429 A 19870220**

Priority  
• DE 3615212 A 19860506  
• DE 3624517 A 19860719

Abstract (en)  
[origin: EP0244575A2] 1. Internal gear pump the gearing of which is designed so that engagement of the teeth basically already commences in the point of intersection of the tips so that in the discharge region the teeth form a plurality of cells which are each closed off from the other, and in which a plurality of discharge channels leave the housing or the rotor, with at least the first discharge channels in the direction of rotation each being closed by a check valve and being spaced apart in a peripheral direction by a distance which is smaller than or equal to the pitch of a cell formed by the teeth simultaneously in engagement, characterised in that a discharge chamber (51) lies on one of the covers (33) of the pump axially above the cylindrical housing shell (31) of the pump and is as a result supported in an axial direction substantially on the cylindrical housing shell (31) of the pump.

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

IPC 8 full level  
**F04C 2/08** (2006.01); **F04C 2/10** (2006.01); **F04C 15/06** (2006.01)

CPC (source: EP)  
**F04C 2/084** (2013.01); **F04C 15/068** (2013.01)

Cited by  
GB2277963A; DE4129854A1

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**EP 0244575 A2 19871111**; **EP 0244575 A3 19880914**; **EP 0244575 B1 19900613**; DE 3763222 D1 19900719

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**EP 87102429 A 19870220**; DE 3763222 T 19870220