

Title (en)  
Gear machine.

Title (de)  
Zahnradmaschine.

Title (fr)  
Machine à engrenages.

Publication  
**EP 0512514 A2 19921111 (EN)**

Application  
**EP 92107651 A 19920506**

Priority  
IT BO910085 U 19910507

Abstract (en)  
A machine (1) comprising two meshing gears (5, 6); two bushes (13) supporting the gear hubs (7, 8); a machine body (2) housing the gears (5, 6) and bushes (13); and two cover plates (3, 4) for the machine body (2). Each plate (3, 4) presents a seat (26) for a seal (25) formed in one piece and comprising a first annular element (27), and a second annular element (28) inwards of and joined over a long portion to the first annular element (27) by a thin wall (34) defining two channels (35, 36) for high-pressure fluid. The seal (25) defines two gaps, one for low-pressure fluid, defined by the second element (28), and the other for high-pressure fluid, defined by both elements (27, 28). <IMAGE>

IPC 1-7  
**F04C 2/08; F04C 15/00**

IPC 8 full level  
**F04C 15/00** (2006.01)

CPC (source: EP)  
**F04C 15/0026** (2013.01)

Cited by  
EP0656462A1; CN1095025C; US7117730B2; DE4322240A1; DE4345273C2; US5674060A; EP3276127A1; CN107654260A; US10634136B2

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