

Title (en)
Hydraulic gear wheel machine

Title (de)
Hydraulische Zahnradmaschine

Title (fr)
Machine hydraulique à roue dentée

Publication
EP 2154374 B1 20160316 (DE)

Application
EP 09009849 A 20090730

Priority
DE 102008038766 A 20080812

Abstract (en)
[origin: EP2154374A2] The machine (1) has a housing (2) for accommodation of two gear wheels (10, 12) that are connected with one another and supported in bearing sleeves (24-30). A supporting element is designed as an angle profile with an axial side piece and a radial side piece for supporting a sealing element, where one of the side pieces in a longitudinal extension has a reduced cross section for local reduction of mechanical rigidity of the supporting element. The reduced cross section is designed by chamfering of the axial piece of the supporting element in the adjacent area to the sealing element.

IPC 8 full level
F04C 15/00 (2006.01); **F04C 2/10** (2006.01); **F04C 2/18** (2006.01)

CPC (source: EP)
F04C 15/0026 (2013.01); **F04C 2/10** (2013.01); **F04C 2/18** (2013.01)

Cited by
DE102013202917A1; DE102013202606A1; DE102013202918A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
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