

Title (en)
HYDRAULIC TOOTHED WHEEL MACHINE

Title (de)
HYDRAULISCHE ZAHNRADMASCHINE

Title (fr)
MACHINE HYDRAULIQUE À ENGRENAGE

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EP 2406497 A2 20120118 (DE)

Application
EP 10708110 A 20100225

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Abstract (en)
[origin: WO2010102722A2] The invention relates to a toothed wheel machine comprising a housing for receiving two meshing and especially helical-toothed wheels. Said toothed wheels are axially mounted in a sliding manner by axial surfaces between bearing bodies received in the housing, and radially by a bearing shaft received in the bearing bodies. During the operation of the toothed wheel machine, an axial component of a force resulting from the hydraulic and mechanical forces generated during operation acts on each toothed wheel in the same axial direction. A counter-force against the respective axial force component is applied to the toothed wheels and/or bearing shafts, each counter-force applying the same amount of pressure as the respective axial force component, or less than same.

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Citation (search report)
See references of WO 2010102722A2

Cited by
US9366250B1

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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

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