

Title (en)

WORM GEAR FOR ELECTRIC POWER STEERING DEVICE

Title (de)

SCHNECKENGETRIEBE ZUR ELEKTRISCHEN SERVOLENKUNG

Title (fr)

ENGRENAGE À VIS SANS FIN POUR DISPOSITIF DE DIRECTION À ÉNERGIE ÉLECTRIQUE

Publication

EP 2018307 A1 20090128 (EN)

Application

EP 06770299 A 20060512

Priority

US 2006018525 W 20060512

Abstract (en)

[origin: WO2007133205A1] A gear for an electric power steering device for reducing the rotation speed of an electric motor for steering assist with a reduction gear mechanism and transmitting the rotation to a steering mechanism, the gear being incorporated and used in the reduction gear mechanism, wherein at least the teeth of the gear are formed from a resin composition of a non-reinforced type comprising (a) a polyamide resin having a carboxyl group at least at a terminal end; (b) 0.5-5 wt.% a polycarbodiimide compound, and (c) 3-15 wt.% an elastic material modified with a reactive functional group.

IPC 8 full level

B62D 5/04 (2006.01)

CPC (source: EP)

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Citation (search report)

See references of WO 2007133205A1

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