

Title (en)
GEAR STABILIZATION TECHNIQUES

Title (de)
GETRIEBESTABILISIERUNGSTECHNIKEN

Title (fr)
TECHNIQUES DE STABILISATION D'ENGRENAGES

Publication
EP 3152462 A1 20170412 (EN)

Application
EP 15802976 A 20150608

Priority
• US 201462008567 P 20140606
• US 2015034707 W 20150608

Abstract (en)
[origin: WO2015188187A1] A balanced planetary gearbox including an assembly having an input stage and an output stage. The assembly includes two grounds, each with ground rollers and ground rings. The two grounds are fixedly attached to one another. The assembly includes a sun gear and planet sub-assemblies between the two grounds. The planet sub-assemblies include at least one input planet gear and one output planet gear. The sun gear and the input planet gears include rollers. An abutment of rollers in the gearbox keeps the sun gear and the planet gears in alignment. The output gear meshes with an output ring disposed in between the two ground rings, such that a combination of the at least one input planet gears from each of the plurality of planet sub-assemblies provides a structural symmetry to the planetary gearbox.

IPC 8 full level
F16H 1/28 (2006.01)

CPC (source: EP)
F16H 37/02 (2013.01); **H02K 7/116** (2013.01); **F16H 13/06** (2013.01); **F16H 2001/2872** (2013.01)

Citation (search report)
See references of WO 2015188187A1

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2015188187 A1 20151210; EP 3152462 A1 20170412

DOCDB simple family (application)
US 2015034707 W 20150608; EP 15802976 A 20150608