

Title (en)

DEVICE FOR REDUCING ROTATIONAL IRREGULARITIES AND METHOD RELATING THERETO

Title (de)

VORRICHTUNG ZUR VERRINGERUNG VON DREHUNGLEICHFÖRMIGKEITEN UND VERFAHREN HIERZU

Title (fr)

DISPOSITIF DE REDUCTION DES IRREGULARITES DE ROTATION ET PROCEDE CORRESPONDANT

Publication

EP 0965007 A2 19991222 (DE)

Application

EP 98912451 A 19980306

Priority

- DE 19709299 A 19970306
- EP 9801299 W 19980306

Abstract (en)

[origin: DE19709299A1] The invention relates to a device for reducing rotational irregularities of a unit (1, 2, 16) which rotates irregularly, especially of an internal combustion engine (1), comprising an electric machine (3, 15) which has at least two active units (4, 17; 5, 18) which rotate in relation to one another. The first of said active units is connected to the irregularly rotating unit (1, 2, 16) and the second can essentially rotate freely. Said electric machine (3, 15) induces relative torques between said active units (4, 17; 5, 18) to counteract the rotational irregularities, thus providing the support against the inert mass of the second active unit (5, 18) which can essentially rotate freely. Said relative torques are induced actively so that the moments of momentum which are transmitted to the freely rotating inert mass of the second active unit (5, 18) when a rotational irregularity occurs are greater than the moments of momentum which would be transmitted if the second active unit (5, 18) were simply connected to the first active unit (4, 17). The invention also relates to a corresponding method.

IPC 1-7

F16F 15/00

IPC 8 full level

F16F 15/18 (2006.01)

CPC (source: EP)

F16F 15/18 (2013.01)

Citation (search report)

See references of WO 9839579A2

Designated contracting state (EPC)

DE

DOCDB simple family (publication)

DE 19709299 A1 19980917; EP 0965007 A2 19991222; WO 9839579 A2 19980911; WO 9839579 A3 19981203

DOCDB simple family (application)

DE 19709299 A 19970306; EP 9801299 W 19980306; EP 98912451 A 19980306