

Title (en)

Device for transmitting the movement to fans for cooling engines with stoppage of the fan in an idle condition thereof

Title (de)

Vorrichtung zur Übertragung der Bewegung von Gebläsen zum Kühlen von Motoren mit Stillstand des Gebläses im Leerlaufzustand dafür

Title (fr)

Dispositif de transmission du mouvement vers les ventilateurs pour moteurs de refroidissement avec arrêt du ventilateur dans une condition de ralenti

Publication

EP 2599976 A1 20130605 (EN)

Application

EP 11191671 A 20111202

Priority

EP 11191671 A 20111202

Abstract (en)

Device for transmitting the movement to a fan (1) for cooling the coolant in a motor vehicle, comprising: - movement generating means (3,101); - at least one friction clutch (100) formed by a first fixed electromagnet (132) and a second fixed electromagnet (133), a first armature (110) and a second armature (120), and a rotor (140) to which the fan (1) is constrained; - at least one eddy-current clutch (200); - a fixed support (21) on which the movement generating means (3) are mounted via a first bearing (11); wherein: - said first armature (110) is a driving element and is connected to the movement generating means (3), said rotor (140) is a driven element and is mounted idle on the support (21) via a second bearing (15); - the eddy-current clutch (200) comprises a driving part (203) connected to the movement generating means (3,101) and a driven part (202,201) integral with said second armature (120) of the friction clutch (100).

IPC 8 full level

F01P 7/08 (2006.01)

CPC (source: EP)

F01P 7/084 (2013.01); **F04D 25/02** (2013.01); **F04D 25/022** (2013.01); **F04D 25/026** (2013.01)

Citation (search report)

- [A] EP 0886047 A2 19981223 - BARUFFALDI SPA [IT]
- [A] EP 1640582 A1 20060329 - BARUFFALDI SPA [IT]
- [A] EP 1130232 A2 20010905 - BARUFFALDI SPA [IT]
- [A] DE 102008047158 A1 20090430 - BARUFFALDI SPA [IT]

Cited by

CN108518269A; WO2019097465A1

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)

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