

Title (en)

Power transmission device for agricultural or industrial vehicles and method for operating such a power transmission device

Title (de)

Antriebsvorrichtung für ein landwirtschaftliches oder industrielles Nutzfahrzeug und Verfahren zum Betreiben einer Antriebsvorrichtung

Title (fr)

Dispositif d'entraînement pour un véhicule utilitaire industriel ou agricole et procédé de fonctionnement d'un dispositif d'entraînement

Publication

EP 1884635 A3 20110803 (DE)

Application

EP 07113712 A 20070802

Priority

DE 102006036589 A 20060804

Abstract (en)

[origin: EP1884635A2] The device (10) has a blower (20) that is arranged adjacent to a cooler (14), where air is movable through the cooler with the blower. The blower, an internal combustion engine (12) and the cooler are arranged in an engine compartment. A generator (18) e.g. alternator, is driven by the combustion engine to generate electrical energy. An electrical machine (26) is driven with the electrical energy that is produced by the generator, where the blower is mechanically driven with the electrical machine. The machine includes an output shaft (28), over which the blower is mechanically driven. An independent claim is also included for a method for operating a drive device.

IPC 8 full level

F01P 7/04 (2006.01); **F02B 67/08** (2006.01); **F01P 11/10** (2006.01)

CPC (source: EP US)

F01P 7/048 (2013.01 - EP US); **F02B 67/08** (2013.01 - EP US); **F01P 11/10** (2013.01 - EP US)

Citation (search report)

- [XYI] JP H11241368 A 19990907 - CATERPILLAR MITSUBISHI LTD
- [Y] US 5415134 A 19950516 - STEWART JR HOWARD C [US]
- [XYI] JP 2000203274 A 20000725 - CATERPILLAR MITSUBISHI LTD
- [X] JP S63186910 A 19880802 - KUBOTA LTD
- [X] JP 2001020740 A 20010123 - DENYO CO LTD

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 1884635 A2 20080206; EP 1884635 A3 20110803; EP 1884635 B1 20180905; DE 102006036589 A1 20080207;
US 2008121195 A1 20080529; US 7584722 B2 20090908

DOCDB simple family (application)

EP 07113712 A 20070802; DE 102006036589 A 20060804; US 83346707 A 20070803