

Title (en)
DEVICE FOR DRIVING A MACHINE WITH A NON-STEADY POWER REQUIREMENT

Title (de)
VORRICHTUNG ZUM ANTRIEB EINER MASCHINE MIT INSTATIONÄREM LEISTUNGSBEDARF

Title (fr)
DISPOSITIF D'ENTRAÎNEMENT D'UNE MACHINE À PUISSANCE REQUISE NON CONSTANTE

Publication
EP 2882623 A2 20150617 (DE)

Application
EP 13752825 A 20130808

Priority
• DE 102012015961 A 20120811
• EP 2013002378 W 20130808

Abstract (en)
[origin: WO2014026751A2] In the vehicle according to the invention, a high-capacity energy store, particularly a flywheel arrangement, is used for providing the dynamic driving performance, this store being chargeable by a battery charged in a highly environmentally responsible manner and, if necessary, by an internal combustion engine and by regenerative braking energy. If necessary, the battery can be charged by external mains power or the internal combustion engine which can also supply power to cover energy losses in the event of the vehicle travelling at maximum speed for a prolonged period. By dimensioning the components in a manner according to the invention, a highly efficient hybrid vehicle suitable for long journeys and having a large emission-free range and low specific energy requirement with good dynamic driving performance is achieved. Furthermore, advantageous embodiments are disclosed which use equivalent components and a display device which is advantageous to the drive device.

IPC 8 full level
B60W 10/06 (2006.01); **B60K 6/10** (2006.01); **B60K 6/30** (2007.10); **B60K 6/32** (2007.10); **B60K 31/18** (2006.01); **B60L 11/00** (2006.01); **B60L 11/18** (2006.01); **B60L 50/10** (2019.01); **B60W 10/08** (2006.01); **B60W 10/24** (2006.01); **B60W 10/26** (2006.01); **B60W 20/00** (2006.01); **B60W 30/188** (2012.01); **B60W 50/14** (2012.01)

CPC (source: EP)
B60K 6/105 (2013.01); **B60K 6/28** (2013.01); **B60K 6/30** (2013.01); **B60K 6/32** (2013.01); **B60K 31/185** (2013.01); **B60L 7/10** (2013.01); **B60L 50/10** (2019.01); **B60L 50/40** (2019.01); **B60L 50/61** (2019.01); **B60L 58/40** (2019.01); **B60W 10/06** (2013.01); **B60W 10/08** (2013.01); **B60W 10/24** (2013.01); **B60W 10/26** (2013.01); **B60W 20/00** (2013.01); **B60W 20/10** (2013.01); **B60W 20/19** (2016.01); **B60W 30/1882** (2013.01); **B60W 50/14** (2013.01); **B60L 2200/26** (2013.01); **B60L 2220/42** (2013.01); **B60Y 2400/114** (2013.01); **Y02T 10/62** (2013.01); **Y02T 10/64** (2013.01); **Y02T 10/70** (2013.01); **Y02T 10/7072** (2013.01); **Y02T 90/40** (2013.01)

Citation (search report)
See references of WO 2014026751A2

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)
DE 102012015961 A1 20140213; EP 2882623 A2 20150617; WO 2014026751 A2 20140220; WO 2014026751 A3 20140508

DOCDB simple family (application)
DE 102012015961 A 20120811; EP 13752825 A 20130808; EP 2013002378 W 20130808