

Title (en)

A HYBRID DRIVE SYSTEM FOR DELIVERING POWER AND ITS METHOD THEREOF

Title (de)

HYBRIDANTRIEBSSYSTEM ZUR LIEFERUNG VON ENERGIE UND VERFAHREN DAFÜR

Title (fr)

SYSTÈME D'ENTRAÎNEMENT HYBRIDE POUR DÉLIVRER UNE PUISSANCE ET SON PROCÉDÉ

Publication

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Application

EP 14734912 A 20140318

Priority

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- IN 804MU2013 A 20130315
- IN 2014000172 W 20140318

Abstract (en)

[origin: WO2014174526A1] A hybrid drive system for a vehicle comprises: a driving engine (100) having an output shaft (101); a motor generator (111); a planetary gear system having at least one staged planet gear set (105) mounted on a planet carrier (104) coupled to the output shaft (101) of the driving engine (100); the planetary gear system having a first sun gear (108) and a second sun gear (109); the motor-generator (111) being coupled to the first sun gear (108); the staged planet gear set (105) includes a first planet gear (106) and a second planet gear (107); the first planet gear (106) meshes with the first sun gear (108) and the second planet gear (107) meshes with the second sun gear (109); the ratio of working pitch diameter of first planet gear (106) to the second planet gear (107) being greater than one; the ratio of working pitch diameter of the second sun gear (109) to the first sun gear (108) being greater than one; a transmission (113) coupled between the second sun gear (109) and driven wheels (401); and a clutch (110) configured to selectively lock the planetary gear system, to bypass the planetary gear system.

IPC 8 full level

B60K 6/365 (2007.10); **B60K 6/387** (2007.10); **B60K 6/48** (2007.10); **B60W 10/02** (2006.01); **B60W 10/08** (2006.01); **B60W 10/11** (2012.01); **B60W 20/00** (2016.01); **B60W 30/188** (2012.01); **B60W 30/19** (2012.01); **F16H 3/56** (2006.01); **F16H 3/72** (2006.01)

CPC (source: EP)

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Citation (search report)

See references of WO 2014174526A1

Cited by

CN104760495A; CN112576706A

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