

Title (en)
HYDRAULIC HYBRID

Title (de)
HYDRAULIKHYBRID

Title (fr)
SYSTÈME HYBRIDE À SYSTÈME HYDRAULIQUE

Publication
EP 2841290 A1 20150304 (DE)

Application
EP 13709764 A 20130302

Priority
• DE 102012008192 A 20120426
• EP 2013000626 W 20130302

Abstract (en)
[origin: WO2013159851A1] Hybrid system, consisting of an internal combustion engine (1) with attached and/or integrated hydraulic pumps (2) for supplying consumers (5) and/or a drive unit (12), at least one engine control device (3) for electronic engine and/or injection regulation, at least one hydraulics control device (4) for controlling at least one hydraulic consumer (5), at least one pressure retention valve (6), at least one changeover valve (7) and at least one hydraulic pressure accumulator (8).

IPC 8 full level
B60K 6/12 (2006.01); **B60W 10/06** (2006.01); **B60W 10/103** (2012.01); **B60W 10/30** (2006.01); **B60W 20/00** (2006.01); **E02F 9/22** (2006.01); **F16H 61/4096** (2010.01)

CPC (source: EP US)
B60K 6/12 (2013.01 - EP US); **B60W 10/06** (2013.01 - EP US); **B60W 10/103** (2013.01 - EP US); **B60W 10/24** (2013.01 - US); **B60W 10/30** (2013.01 - EP US); **B60W 20/19** (2016.01 - EP US); **F16H 61/4096** (2013.01 - EP US); **B60K 2006/126** (2013.01 - EP US); **B60Y 2200/41** (2013.01 - EP US); **Y02T 10/62** (2013.01 - EP US)

Citation (search report)
See references of WO 2013159851A1

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)
WO 2013159851 A1 20131031; DE 102012008192 A1 20131031; EP 2841290 A1 20150304; JP 2015533201 A 20151119; JP 6346168 B2 20180620; US 10040343 B2 20180807; US 2015113969 A1 20150430

DOCDB simple family (application)
EP 2013000626 W 20130302; DE 102012008192 A 20120426; EP 13709764 A 20130302; JP 2015507397 A 20130302; US 201314396785 A 20130302