

Title (en)  
METHOD FOR AUTOMATIC CONTROL OF CHANGES OF STATE OF A POWER TRAIN BY INTER-SYSTEM INFORMATION EXCHANGE

Title (de)  
VERFAHREN ZUR AUTOMATISCHEN STEUERUNG VON ZUSTANDSÄNDERUNGEN EINES ANTRIEBSSTRANGS DURCH AUSTAUSCH VON INFORMATIONEN ZWISCHEN SYSTEMEN

Title (fr)  
PROCEDE DE COMMANDE AUTOMATIQUE DE CHANGEMENTS D'ETATS D'UN GROUPE MOTOPROPULSEUR PAR ECHANGE D'INFORMATIONS INTER SYSTEMES

Publication  
**EP 3774471 A1 20210217 (FR)**

Application  
**EP 19707730 A 20190219**

Priority  
• FR 1852709 A 20180329  
• EP 2019054117 W 20190219

Abstract (en)  
[origin: WO2019185242A1] The invention relates to a method for automatic control of changes of state of a power train (GMP) made up of a heat engine coupled with an automatic transmission having at least one disconnect clutch between the engine and the wheels of a vehicle, by exchanging inter-system instructions between an engine computer (ECM) and a transmission computer (ATCU), in order to exit a normal travel mode by disconnecting the engine when nearing a stop, or by opening the clutch in order to enter a free-wheel travel mode with the engine running, characterised in that the inter-system instructions exchanged include disconnecting the engine during normal travel at high speed when releasing the accelerator pedal with the foot on the brake, as well as during free-wheel travel with the accelerator and brake pedals released.

IPC 8 full level  
**B60W 10/06** (2006.01); **B60W 10/02** (2006.01); **B60W 10/11** (2012.01); **B60W 30/18** (2012.01); **B60W 50/00** (2006.01); **B60W 50/08** (2020.01)

CPC (source: EP)  
**B60W 10/02** (2013.01); **B60W 10/06** (2013.01); **B60W 10/11** (2013.01); **B60W 30/18072** (2013.01); **B60W 50/082** (2013.01); **B60W 2030/1809** (2013.01); **B60W 2050/0016** (2013.01); **B60W 2050/0045** (2013.01); **B60W 2510/0208** (2013.01); **B60W 2510/0642** (2013.01); **B60W 2510/0647** (2013.01); **B60W 2520/10** (2013.01); **B60W 2540/10** (2013.01); **B60W 2540/12** (2013.01); **B60W 2710/021** (2013.01); **B60W 2710/065** (2013.01); **B60W 2710/0655** (2013.01); **B60W 2710/1005** (2013.01); **Y02T 10/40** (2013.01); **Y02T 10/60** (2013.01)

Citation (search report)  
See references of WO 2019185242A1

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 2019185242 A1 20191003**; BR 112020017829 A2 20201229; CN 111918802 A 20201110; EP 3774471 A1 20210217; FR 3079486 A1 20191004; FR 3079486 B1 20210924; JP 2021519240 A 20210810; JP 7350003 B2 20230925; RU 2020134415 A 20220420; RU 2020134415 A3 20220428

DOCDB simple family (application)  
**EP 2019054117 W 20190219**; BR 112020017829 A 20190219; CN 201980020760 A 20190219; EP 19707730 A 20190219; FR 1852709 A 20180329; JP 2020552027 A 20190219; RU 2020134415 A 20190219