

Title (en)
HYBRID CLUTCH MANAGEMENT METHOD

Title (de)
HYBRIDKUPPLUNGSVERWALTUNGSVERFAHREN

Title (fr)
PROCEDE DE GESTION D'EMBRAYAGE HYBRIDE

Publication
EP 3880502 A1 20210922 (FR)

Application
EP 19806136 A 20191113

Priority
• FR 1860482 A 20181114
• EP 2019081187 W 20191113

Abstract (en)
[origin: WO2020099492A1] The invention relates a method for starting a combustion engine of a hybrid motor vehicle transmission chain, in which there is a connection clutch (4) interposed between the combustion engine (2) and the electric motor (5) in order to transmit a torque between the combustion engine (2) and the electric motor (5), and a main clutch (6) interposed between the gearbox (7) and the electric motor (5), in which, from an initial state (12) in which the electric motor (5) generates a drive torque and the combustion engine (2) is at a standstill, the main clutch (6) is maintained in a closed state so as to transmit the torque generated by the electric motor (5) to the gearbox (7), and the connection clutch (4) is operated so as to transmit a drive torque between the electric motor (5) and the combustion engine (2) and exert a torque-limiting function between the combustion engine (2) and the electric motor (5) in order to limit the transmission of acyclisms between the combustion engine (2) and the electric motor (5).

IPC 8 full level
B60K 6/387 (2007.10); **B60K 6/48** (2007.10); **B60W 10/02** (2006.01); **B60W 10/06** (2006.01); **B60W 10/08** (2006.01); **B60W 20/40** (2016.01); **B60W 30/20** (2006.01); **B60W 50/00** (2006.01)

CPC (source: EP US)
B60K 6/387 (2013.01 - EP US); **B60K 6/48** (2013.01 - EP); **B60W 10/02** (2013.01 - EP US); **B60W 10/06** (2013.01 - EP US); **B60W 10/08** (2013.01 - EP US); **B60W 20/40** (2013.01 - EP US); **B60W 30/20** (2013.01 - EP); **B60K 2006/4825** (2013.01 - EP); **B60W 2030/206** (2013.01 - EP); **B60W 2050/001** (2013.01 - EP); **B60W 2050/0012** (2013.01 - EP US); **B60W 2510/0208** (2013.01 - US); **B60W 2510/0241** (2013.01 - EP); **B60W 2510/0266** (2013.01 - EP); **B60W 2510/0275** (2013.01 - US); **B60W 2510/0638** (2013.01 - EP US); **B60W 2510/0652** (2013.01 - EP); **B60W 2510/0657** (2013.01 - EP US); **B60W 2510/0695** (2013.01 - EP); **B60W 2510/081** (2013.01 - EP); **B60W 2510/083** (2013.01 - EP); **B60W 2710/021** (2013.01 - US); **B60W 2710/027** (2013.01 - EP US); **B60W 2710/0644** (2013.01 - EP); **B60W 2710/0661** (2013.01 - EP); **Y02T 10/62** (2013.01 - EP); **Y02T 10/72** (2013.01 - EP)

Citation (search report)
See references of WO 2020099492A1

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)
FR 3088278 A1 20200515; **FR 3088278 B1 20220923**; CN 113226820 A 20210806; EP 3880502 A1 20210922; JP 2022508113 A 20220119; US 2021402865 A1 20211230; WO 2020099492 A1 20200522

DOCDB simple family (application)
FR 1860482 A 20181114; CN 201980086013 A 20191113; EP 19806136 A 20191113; EP 2019081187 W 20191113; JP 2021526320 A 20191113; US 201917293685 A 20191113