

Title (en)
DECELERATION CYLINDER CUT-OFF IN A HYBRID VEHICLE

Title (de)
BREMSZYLINDERABSCHALTUNG IN EINEM HYBRIDFAHRZEUG

Title (fr)
COUPURE DE CYLINDRES DE DÉCÉLÉRATION DANS UN VÉHICULE HYBRIDE

Publication
EP 3619410 A4 20201014 (EN)

Application
EP 18795112 A 20180412

Priority

- US 201715584686 A 20170502
- US 201715847481 A 20171219
- US 2018027307 W 20180412

Abstract (en)
[origin: WO2018204049A1] Methods and arrangements for transitioning an engine between a deceleration cylinder cutoff (DCCO) state and an operational state are described. In one aspect, transitions from DCCO begin with reactivating cylinders to pump air to reduce the pressure in the intake manifold prior to firing any cylinders. In another aspect, transitions from DCCO, involve the use of an air pumping skip fire operational mode. After the manifold pressure has been reduced, the engine may transition to either a cylinder deactivation skip fire operational mode or other appropriate operational mode. In yet another aspect a method of transitioning into DCCO using a skip fire approach is described. In this aspect, the fraction of the working cycles that are fired is gradually reduced to a threshold firing fraction. All of the working chambers are then deactivated after reaching the threshold firing fraction.

IPC 8 full level
F02D 17/02 (2006.01); **B60W 10/02** (2006.01); **B60W 10/06** (2006.01); **B60W 10/08** (2006.01); **B60W 20/00** (2016.01); **B60W 20/40** (2016.01); **F02D 29/02** (2006.01); **F02D 41/00** (2006.01); **F02D 41/02** (2006.01); **F02D 41/12** (2006.01)

CPC (source: CN EP)
B60W 10/02 (2013.01 - EP); **B60W 10/06** (2013.01 - EP); **B60W 10/08** (2013.01 - EP); **B60W 20/15** (2016.01 - CN); **B60W 20/40** (2013.01 - EP); **B60W 30/18063** (2013.01 - EP); **F01N 3/22** (2013.01 - CN); **F02D 13/06** (2013.01 - CN); **F02D 17/02** (2013.01 - CN EP); **F02D 29/02** (2013.01 - EP); **F02D 41/0087** (2013.01 - EP); **F02D 41/0215** (2013.01 - EP); **F02D 41/022** (2013.01 - EP); **F02D 41/126** (2013.01 - EP); **F02N 11/04** (2013.01 - CN); **F02N 11/0829** (2013.01 - CN); **B60W 2030/1809** (2013.01 - EP); **B60W 2510/0638** (2013.01 - EP); **B60W 2520/10** (2013.01 - EP); **B60W 2540/12** (2013.01 - EP); **B60W 2710/0644** (2013.01 - EP); **B60W 2720/10** (2013.01 - EP); **B60Y 2300/435** (2013.01 - EP); **B60Y 2300/437** (2013.01 - EP); **F02D 2200/0406** (2013.01 - EP); **F02D 2250/18** (2013.01 - EP); **Y02T 10/40** (2013.01 - EP); **Y02T 10/62** (2013.01 - EP); **Y02T 10/72** (2013.01 - EP)

Citation (search report)

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- [A] US 2016121875 A1 20160505 - AIKAWA HIDEFUMI [JP]
- [A] WO 2016153837 A1 20160929 - TULA TECHNOLOGY INC [US]
- See references of WO 2018204049A1

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

DOCDB simple family (publication)
WO 2018204049 A1 20181108; CN 110573716 A 20191213; CN 110573716 B 20220325; CN 114645787 A 20220621; DE 202018006864 U1 20231206; DE 202018006865 U1 20231219; DE 202018006866 U1 20231219; DE 202018006867 U1 20231223; DE 202018006868 U1 20231223; EP 3619410 A1 20200311; EP 3619410 A4 20201014; EP 3690218 A1 20200805; EP 3690218 B1 20240626; EP 3693586 A1 20200812; EP 4177450 A1 20230510; JP 2020519517 A 20200702; JP 2023062037 A 20230502

DOCDB simple family (application)
US 2018027307 W 20180412; CN 201880028237 A 20180412; CN 202210167368 A 20180412; DE 202018006864 U 20180412; DE 202018006865 U 20180412; DE 202018006866 U 20180412; DE 202018006867 U 20180412; DE 202018006868 U 20180412; EP 18795112 A 20180412; EP 20158877 A 20180412; EP 20158880 A 20180412; EP 22210655 A 20180412; JP 2019559352 A 20180412; JP 2023019194 A 20230210