

Title (en)
MOTOR VEHICLE PRECONDITIONING DEVICE AND CORRESPONDING PRECONDITIONING METHOD

Title (de)
KRAFTFAHRZEUGVORKONDITIONIERUNGSVORRICHTUNG UND ZUGEHÖRIGES VORKONDITIONIERUNGSVERFAHREN

Title (fr)
DISPOSITIF DE PRE-CONDITIONNEMENT POUR VEHICULE AUTOMOBILE ET PROCEDE DE PRE-CONDITIONNEMENT CORRESPONDANT

Publication
EP 3576967 A1 20191211 (FR)

Application
EP 18705448 A 20180202

Priority
• FR 1750966 A 20170206
• FR 2018050266 W 20180202

Abstract (en)
[origin: WO2018142085A1] This combustion engine motor vehicle preconditioning device comprises a control unit (2) connected to a man-machine interface (1), and a system (3) for the programmed starting of the combustion engine (4) of the vehicle. It further comprises a programmable heater (5), the heater (5) and the starting system (3) being operated by the control unit (2)

IPC 8 full level
B60H 1/00 (2006.01); **B60H 1/03** (2006.01); **B60H 1/06** (2006.01); **B60H 1/22** (2006.01); **F02N 11/08** (2006.01); **F02N 19/10** (2010.01)

CPC (source: EP RU)
B60H 1/00 (2013.01 - RU); **B60H 1/00657** (2013.01 - EP); **B60H 1/00778** (2013.01 - EP); **B60H 1/034** (2013.01 - EP); **B60H 1/2221** (2013.01 - EP); **F02N 11/0811** (2013.01 - EP); **F02N 19/04** (2013.01 - EP); **B60H 2001/2234** (2013.01 - EP); **B60H 2001/2243** (2013.01 - EP)

Citation (search report)
See references of WO 2018142085A1

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 2018142085 A1 20180809; CN 110382265 A 20191025; EP 3576967 A1 20191211; FR 3062599 A1 20180810; FR 3062599 B1 20200612; RU 2019127723 A 20210309; RU 2019127723 A3 20210513; RU 2754974 C2 20210908

DOCDB simple family (application)
FR 2018050266 W 20180202; CN 201880016560 A 20180202; EP 18705448 A 20180202; FR 1750966 A 20170206; RU 2019127723 A 20180202