

Title (en)
SWITCHING ON OF A HEATING LOAD

Title (de)
EINSCHALTEN EINER HEIZLAST

Title (fr)
ENCLENCHEMENT D'UNE CHARGE CALORIFIQUE

Publication
EP 3478024 B1 20210127 (DE)

Application
EP 17198495 A 20171026

Priority
EP 17198495 A 20171026

Abstract (en)
[origin: US2019132912A1] A heating control system and method for switching on a heating load, wherein the heating load is controllable via forward-phase control, and wherein, at a particular instant in time, the forward-phase control has a corresponding phase control angle, where the heating load is switched on via a specifiable initial phase control angle and an ascertained effective current and a definable switch-on current curve are taken into account in order to determine the subsequent phase control angles such that an efficient cold start with any heating loads can be performed.

IPC 8 full level
H05B 1/02 (2006.01); **G05F 1/455** (2006.01)

CPC (source: EP US)
G05F 1/455 (2013.01 - EP US); **H05B 1/0227** (2013.01 - US); **H05B 1/023** (2013.01 - EP US); **H05B 3/0019** (2013.01 - US); **H05B 7/148** (2013.01 - US)

Cited by
EE202100011A; EE05857B1; WO2022223089A2

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)
EP 3478024 A1 20190501; **EP 3478024 B1 20210127**; CN 109709398 A 20190503; CN 109709398 B 20210820; US 2019132912 A1 20190502

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EP 17198495 A 20171026; CN 201811072676 A 20180914; US 201816162702 A 20181017