

Title (en)

Process to start a heating apparatus, and in particular a vehicle heater.

Title (de)

Verfahren zum Starten eines Heizgerätes, insbesondere Fahrzeugheizgerätes

Title (fr)

Procédé de démarrage d'un appareil de chauffage, en particulier d'un appareil de chauffage pour véhicules

Publication

EP 1645803 B1 20130814 (DE)

Application

EP 05020512 A 20050920

Priority

DE 102004048482 A 20041005

Abstract (en)

[origin: EP1645803A2] The procedure involves injecting fuel at different time interval of ignition period for starting a heater particularly vehicle heater. Fuel is injected into heater with ignition discharge output (mmax) in first ignition phase (tz1). A stabilization phase (tg) will start in which fuel is injected by one stabilization output (mmax) if ignition starts before finish of first ignition phase. A second ignition phase (tz2) will start in which fuel is injected with second ignition output (mmin) if no ignition occurs before expiration of maximum time of first ignition phase.

IPC 8 full level

F23N 1/00 (2006.01); **F23N 5/20** (2006.01); **F23N 5/24** (2006.01)

CPC (source: EP)

F23N 1/002 (2013.01); **F23N 5/203** (2013.01); **F23N 5/242** (2013.01); **F23N 2227/02** (2020.01); **F23N 2241/14** (2020.01)

Cited by

CN104620051A; WO2014044570A1

Designated contracting state (EPC)

CZ DE PL SE

DOCDB simple family (publication)

EP 1645803 A2 20060412; **EP 1645803 A3 20081022**; **EP 1645803 B1 20130814**; DE 102004048482 A1 20060413; PL 1645803 T3 20140131

DOCDB simple family (application)

EP 05020512 A 20050920; DE 102004048482 A 20041005; PL 05020512 T 20050920