

Title (en)

Household appliance with a lambda probe and method for operating a domestic appliance with a lambda probe

Title (de)

Haushaltsgerät mit einer Lambda-Sonde bzw. Verfahren zum Betreiben eines Haushaltsgeräts mit einer Lambda-Sonde

Title (fr)

Appareil ménager avec une sonde lambda ou procédé de fonctionnement d'un appareil ménager avec une sonde lambda

Publication

**EP 2639512 B1 20200506 (DE)**

Application

**EP 13157931 A 20130306**

Priority

DE 102012204224 A 20120316

Abstract (en)

[origin: EP2639512A2] The appliance (101) has a lambda probe (102) that is connected with a down converter (109), or the lambda probe comprises the down converter. A sensor system (107) is arranged upstream of components of the lambda probe, where the sensor system comprises the down converter. An output voltage of the down converter is set as a probe voltage (U out) that is applied to a probe heater (104) of the down converter. A switch of the down converter is arranged with a frequency lying in a range between 20 KHz and 150 KHz. An independent claim is also included for a method for operating a lambda probe.

IPC 8 full level

**F24C 7/08** (2006.01)

CPC (source: EP)

**F24C 7/085** (2013.01)

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 2639512 A2 20130918; EP 2639512 A3 20140108; EP 2639512 B1 20200506**; DE 102012204224 A1 20130919; PL 2639512 T3 20201102

DOCDB simple family (application)

**EP 13157931 A 20130306**; DE 102012204224 A 20120316; PL 13157931 T 20130306