

Title (en)
GAS COOKING APPLIANCE

Title (de)
GASKOCHGERÄT

Title (fr)
APPAREIL DE CUISSON À GAZ

Publication
EP 3839342 A1 20210623 (EN)

Application
EP 19383125 A 20191217

Priority
EP 19383125 A 20191217

Abstract (en)
A gas cooking appliance comprising at least one gas burner (10a), a regulating valve (20a) fluidically communicated with the burner (10a) for regulating gas flow between a minimum power and a nominal power, and a timer switch for increasing the power of the burner (10a) to a booster power with a booster gas flow rate during a predetermined time interval. The gas cooking appliance comprises an electromagnetic valve (40) arranged between the regulating valve (20a) and the burner (10a), the electromagnetic valve (40) comprising a closure member, moveable between a closing position and an opening position. The closure member comprises a through hole calibrated to allow a gas flow corresponding to the nominal power of the burner (10a) to pass, the timer switch being configured for controlling the electromagnetic valve (40) by causing the closure member to transition to the opening position to provide the booster power.

IPC 8 full level
F23D 14/04 (2006.01); **F23N 1/00** (2006.01); **F23N 5/20** (2006.01)

CPC (source: CN EP)
F23D 14/04 (2013.01 - EP); **F23N 1/005** (2013.01 - EP); **F23N 1/007** (2013.01 - EP); **F23N 5/20** (2013.01 - EP); **F24C 3/008** (2013.01 - CN); **F24C 3/126** (2013.01 - CN); **F23N 2235/14** (2020.01 - EP); **F23N 2235/16** (2020.01 - EP); **F23N 2235/18** (2020.01 - EP); **F23N 2237/10** (2020.01 - EP); **F23N 2241/08** (2020.01 - EP)

Citation (applicant)
US 2008216810 A1 20080911 - CLAUSS STEPHANE [FR], et al

Citation (search report)
• [Y] US 2019085998 A1 20190321 - QUEREJETA ANDUEZA FÉLIX [FR]
• [Y] WO 2018122714 A1 20180705 - SABAF SPA [IT]
• [AD] US 2008216810 A1 20080911 - CLAUSS STEPHANE [FR], et al
• [A] CN 101846339 A 20100929 - LIHONG WANG

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)
EP 3839342 A1 20210623; CN 112984563 A 20210618

DOCDB simple family (application)
EP 19383125 A 20191217; CN 202011472445 A 20201215