

Title (en)
Cooking apparatus with forced-draft burner

Title (de)
Kochgerät mit Gebläsebrenner

Title (fr)
Appareil de cuisson à brûleur à soufflage

Publication
EP 0809078 B1 20020717 (EN)

Application
EP 97103503 A 19970304

Priority
IT PN960031 A 19960522

Abstract (en)
[origin: EP0809078A2] Gas-fuelled apparatus for cooking food, in particular gas-heated oven, comprising a combustion chamber, a flue gas outlet conduit and a cooking cavity, blowing means being arranged so as to be directed towards said combustion chamber, said blowing means being capable of circulating, in a substantially open circuit made up by said combustion chamber and said flue gas outlet conduit, a flow of ambient air, wherein, upon turning on the electric installation of the oven, any possible unburnt fuel gas is permanently evacuated from said combustion chamber. In a preferred manner, the chamber housing the burner is provided with at least an opening communicating with the atmosphere, which is adapted to provide a natural evacuation passage for unburnt combustible gases. The first ignition to the burner occurs after a pre-determined time of ventilation, subsequently to the ignition command delivered by an appropriate control arrangement, and the following ignitions occur immediately after said ignition command. <IMAGE>

IPC 1-7
F24C 3/12; **F24C 3/08**

IPC 8 full level
F24C 3/08 (2006.01); **F24C 3/12** (2006.01); **F23N 5/12** (2006.01); **F23N 5/18** (2006.01); **F23N 5/20** (2006.01)

CPC (source: EP)
F24C 3/087 (2013.01); **F24C 3/128** (2013.01); **F23N 5/12** (2013.01); **F23N 5/20** (2013.01); **F23N 2005/182** (2013.01); **F23N 2223/22** (2020.01); **F23N 2227/04** (2020.01); **F23N 2233/06** (2020.01); **F23N 2235/06** (2020.01); **F23N 2235/14** (2020.01)

Cited by
ITUB20159610A1; GB2351146A; GB2351146B; EP1845306A1; FR2899956A1; ITTO20130331A1; EP2796791A1; CN113727633A; WO2017109717A1; WO2020205679A1; DE102022100793A1; IT202100002357A1

Designated contracting state (EPC)
DE DK ES FR GB IT NL

DOCDB simple family (publication)
EP 0809078 A2 19971126; **EP 0809078 A3 20000308**; **EP 0809078 B1 20020717**; DE 69713956 D1 20020822; DE 69713956 T2 20021107; DK 0809078 T3 20021104; ES 2180834 T3 20030216; IT 1289379 B1 19981002; IT PN960031 A0 19960522; IT PN960031 A1 19971122

DOCDB simple family (application)
EP 97103503 A 19970304; DE 69713956 T 19970304; DK 97103503 T 19970304; ES 97103503 T 19970304; IT PN960031 A 19960522