

Title (en)
IMPROVED GAS COOKER BURNER WITH THREE CONCENTRIC FLAMES

Publication
EP 0552135 A3 19931020 (EN)

Application
EP 93830005 A 19930112

Priority
IT MI920031 A 19920113

Abstract (en)
[origin: EP0552135A2] An improved gas cooker burner is described, of the type with three concentric flames, comprising a flame dividing member in a single piece fed by a single gas delivery whose adjustment is therefore carried out through a single conventional gastap, wherein the ignition of the three flames is simultaneous by means of a single spark-plug, and a single thermocouple is provided for safety purposes. Said flame dividing member includes a central and a peripheral ring connected by radial gas passages alternated to areas of adduction of the secondary air to the central crown, which is preferably provided with a projecting ledge to reduce the pressure of the gas coming out in said areas. Special arrangements of the holes are provided as well, with two rows one on top of the other which, in the two central crowns are staggered, while the secondary air flow to said crowns is made easier by the position of the burner raised from the worktop. <IMAGE>

IPC 1-7
F23D 14/06; **F23D 14/72**; **F24C 3/08**

IPC 8 full level
F23D 14/06 (2006.01); **F23D 14/72** (2006.01)

CPC (source: EP)
F23D 14/065 (2013.01); **F23D 14/725** (2013.01); **F24C 3/085** (2013.01); **F23D 2900/14062** (2013.01)

Citation (search report)
• [Y] GB 2233444 A 19910109 - LEE CHENG SAN
• [Y] DE 3346929 A1 19850711 - ISPHORDING METALLWERKE PAUL [DE]
• [A] GB 2223302 A 19900404 - TIAO HO YEN
• [A] CH 166409 A 19331231 - LE REVE SA [CH]
• [A] US 2649850 A 19530825 - SCHLENK CARL F, et al

Cited by
EP1067334A1; FR2788111A1; CN105782980A; CN104807009A; EP2806213A3; CN111256128A; CN110793028A; US7901205B2; EP1621814A3; CN103727540A; EP0926437A1; CN104235851A; EP1180642A1; EP0797048A1; KR100453121B1; EP3591289A1; ES2737125A1; EP2708813A1; CN103672900A; RU2635749C2; US9528708B2; WO2005080870A1; US11940148B2; US8662069B2; CN102121716A; CN104807007A; EP3404324A1; EP3404325A1; CN109556141A; DE20019731U1; EP1016823A1; EP0903538A1; US6035846A; CN110410786A; CN111964065A; CN111964064A; WO2011072357A3; WO2008104832A3; WO2008104831A1; US9285115B2; US9534792B2; US8683991B2; US8746229B2; US6508645B1; US10393371B2; EP3030839B1

Designated contracting state (EPC)
CH DE ES FR GB LI SE

DOCDB simple family (publication)
EP 0552135 A2 19930721; **EP 0552135 A3 19931020**; **EP 0552135 B1 19971119**; DE 69315233 D1 19980102; DE 69315233 T2 19980319; ES 2110588 T3 19980216; IT 1258754 B 19960227; IT MI920031 A0 19920113; IT MI920031 A1 19930713

DOCDB simple family (application)
EP 93830005 A 19930112; DE 69315233 T 19930112; ES 93830005 T 19930112; IT MI920031 A 19920113