

Title (en)
Gas burner system

Title (de)
Gasbrennersystem

Title (fr)
Système de brûleur à gaz

Publication
EP 2053314 A2 20090429 (EN)

Application
EP 08360018 A 20080701

Priority
• TW 96217704 U 20071023
• TW 97202936 U 20080220

Abstract (en)
A gas burner system (10; 10a; 10b; 10c; 10d; 10e; 10f) includes a power supply device (12), one or a number of gas burner(s) (14), one or a number of gas valve(s) (16) for controlling the fuel gas passage(s) of the gas burner(s) (14), one or a number of control device(s) (28) each having an operating device (18) for inputting a command signal, a microprocessor (20) for receiving the command signal from the operating device (18) and outputting a corresponding control signal, and a valve control device (24) for driving the gas valve(s) (16) subject to the control signal from the microprocessor (20), one or a number of ignition induction electrode(s) (30) located on each gas burner (14) at one side, and an igniter and inductor combination device (32) for providing a high voltage current to the ignition induction electrode(s) (30) at each gas burner (14) subject to the control signal from the microprocessor (20) to cause the ignition induction electrode(s) (30) at each gas burner (14) to discharge sparks for burning the discharged fuel mixture so that the igniter and inductor combination device (32) stops from providing the high voltage current when received a feedback flame signal from the ignition induction electrode(s) (30) and sending the feedback signal to the microprocessor (20).

IPC 8 full level
F24C 3/10 (2006.01); **F24C 3/12** (2006.01)

CPC (source: EP US)
F24C 3/103 (2013.01 - EP US); **F24C 3/126** (2013.01 - EP US)

Citation (applicant)
• US 5241463 A 19930831 - LEE DUANE A [US]
• EP 0727616 A1 19960821 - ATAG KEUKENTECHNIEK BV [NL]
• US 4930488 A 19900605 - PEARMAN A NOEL J [US], et al
• EP 1887284 A1 20080213 - SYEN S R L [IT]
• US 2002083973 A1 20020704 - HUANG CHIN-YING [TW]

Citation (examination)
• JP H07117241 B2 19951218
• GB 1509704 A 19780504 - TURNRIGHT CONTROLS

Cited by
CN105276635A; CN101922745A; CN105333466A; US9480358B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
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DOCDB simple family (application)
EP 08360018 A 20080701; CA 2631789 A 20080512; TW 97202936 U 20080220; US 15219008 A 20080512