

Title (en)
Burner control.

Title (de)
Brennersteuerung.

Title (fr)
Commande de brûleur.

Publication
EP 0143865 A1 19850612 (EN)

Application
EP 83307395 A 19831206

Priority
EP 83307395 A 19831206

Abstract (en)
A control system for an oil burner comprises TRIACs for switching on an air blower, an igniter and a solenoid valve for oil feed; solid-state drive circuitry for the TRIACs; circuitry for inhibiting the drive circuitry in response to a lock-out signal; logic circuitry for providing control signals to the drive circuitry and a lock-out signal to the inhibiting circuitry and arranged to determine (a) the period for which the blower and igniter operate together to purge the nozzle, (b) the period for which the igniter remains operating with the solenoid valve also open (when a flame is normally established), and (c) the period for which the system is locked-out if a flame is not established when the igniter is turned off (or if a flame, once established, becomes extinguished); an indicator which is energised when the drive circuitry is inhibited; and a manual reset for enabling the ignition sequence to be restarted.

IPC 1-7
F23N 5/20

IPC 8 full level
F23N 5/20 (2006.01)

CPC (source: EP)
F23N 5/203 (2013.01); **F23N 2223/20** (2020.01); **F23N 2223/28** (2020.01); **F23N 2225/08** (2020.01); **F23N 2227/36** (2020.01); **F23N 2231/22** (2020.01); **F23N 2235/06** (2020.01); **F23N 2235/14** (2020.01)

Citation (search report)
• [E] GB 2120807 A 19831207 - ELLIS RONALD
• [A] US 4352656 A 19821005 - MICHAUD ROGER P, et al
• [A] US 4370126 A 19830125 - MIYANAKA MOTOSHI [JP], et al
• [A] US 3705783 A 19721212 - WARREN JAMES S
• [A] DE 3022587 A1 19820114 - KROMSCHROEDER AG G [DE]
• [A] US 3514240 A 19700526 - POTTS WILLIAM F
• [A] GB 2069720 A 19810826 - YAMATAKE HONEYWELL CO LTD

Cited by
US8931707B2; US6478574B1; WO0248613A1; WO0208668A1; US8141788B2; US8141789B2

Designated contracting state (EPC)
AT BE CH DE FR IT LI LU NL SE

DOCDB simple family (publication)
EP 0143865 A1 19850612

DOCDB simple family (application)
EP 83307395 A 19831206