

Title (en)
MULTIPLE FUEL BURNER CONTROL SYSTEM

Publication
EP 0325356 A3 19900718 (EN)

Application
EP 89300214 A 19890111

Priority
US 14650188 A 19880121

Abstract (en)
[origin: EP0325356A2] A system for interconnecting a plurality of fuel burners (14-17) utilizes program modules (30-33) at each of the burners. The program modules contain microcomputers (86) and are interconnected with a communications module (41) by a first level data bus (40-43). This interconnection and the programming of the modules prevents cross talk between the units. The communications module further is connected to a second level data bus (70), that provides auxiliary functions without interaction with the data contained on the first data buses. The information supplied to the second data bus is limited so that no safety related function can be affected.

IPC 1-7
F23N 1/00

IPC 8 full level
F23N 5/00 (2006.01); **F22B 37/38** (2006.01); **F23N 1/00** (2006.01); **G05B 15/02** (2006.01)

CPC (source: EP KR)
F23N 1/002 (2013.01 - EP); **F23N 5/20** (2013.01 - KR); **F23N 2223/08** (2020.01 - EP); **F23N 2225/13** (2020.01 - EP);
F23N 2225/18 (2020.01 - EP); **F23N 2225/19** (2020.01 - EP); **F23N 2233/06** (2020.01 - EP); **F23N 2235/06** (2020.01 - EP);
F23N 2235/14 (2020.01 - EP); **F23N 2237/02** (2020.01 - EP); **F23N 2237/08** (2020.01 - EP)

Citation (search report)
• [A] WO 8400624 A1 19840216 - JOHNSON SERVICE CO [US]
• [A] FR 2565714 A1 19851213 - APPLIC CHAUFFAGE CIE INDLE [FR]
• [A] MICROPROCESSORS AND MICROSYSTEMS. vol. 9, no. 2, March 1985, LONDON GB pages 64 - 70; Stuart Pegler: "Gas burner control using microprocessors"
• [A] IEEE TRANSACTIONS ON ENERGY CONVERSION. vol. EC-2, no. 2, June 1987, NEW YORK US pages 222 - 226; W. R. Urrea: "Modernization of a burner control system in a thermoelectric power plant using logic programmable controllers"

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WO0194847A3; WO02053972A1; US10678204B2; US8251297B2

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

DOCDB simple family (publication)
EP 0325356 A2 19890726; EP 0325356 A3 19900718; AU 2508188 A 19890727; JP H024124 A 19900109; KR 890012127 A 19890824

DOCDB simple family (application)
EP 89300214 A 19890111; AU 2508188 A 19881111; JP 1302689 A 19890121; KR 890000501 A 19890119