Title (en)
IGNITION CONTROL WITH SAFEGUARD FUNCTION

Title (de)
ZÜNDSTEUERUNG MIT SICHERHEITSFUNKTION

Title (fr)
COMMANDE D'ALLUMAGE AVEC FONCTION DE PROTECTION

Publication
EP 2304331 B1 20180103 (EN)

Application
EP 08769369 A 20080509

Priority
US 2008063171 W 20080509

Abstract (en)
[origin: WO2009136940A1] An ignition control and method are provided for overseeing an ignition process on a fuel-fired appliance having a fuel burner, a fuel flow control valve, an ignition source, and a flame detection device. A primary processor initiates the ignition process, monitors the flame status signal and terminates the ignition process in the presence of a flame status signal indicating no flame after a specified period of time following the initiation of the ignition process. A secondary processor monitors the flame status signal independently of the primary processor and terminates the ignition process in the event that the primary processor fails to terminate the ignition process in the presence of a flame status signal indicating no flame after a specified period of time following the initiation of the ignition process. The primary and secondary processors may each have the functional capability to monitor the operation of the other.

IPC 8 full level
F23N 5/12 (2006.01); **F23N 5/20** (2006.01); **F23N 5/24** (2006.01); **F24H 9/20** (2006.01)

CPC (source: EP US)
F23N 5/12 (2013.01 - EP US); **F23N 5/203** (2013.01 - EP US); **F23N 5/242** (2013.01 - EP US); **F24H 9/2085** (2013.01 - EP US); **F24H 15/25** (2022.01 - EP US); **F24H 15/31** (2022.01 - EP US); **F24H 15/36** (2022.01 - EP US); **F24H 15/414** (2022.01 - EP US); F23N 2223/08 (2020.01 - EP US); F23N 2227/02 (2020.01 - EP US); F23N 2227/36 (2020.01 - EP US); F23N 2231/12 (2020.01 - EP US)

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

DOCDB simple family (publication)
WO 2009136940 A1 20091112; AU 2008355940 A1 20091112; AU 2008355940 B2 20140130; CN 102089596 A 20110608; EP 2304331 A1 20110406; EP 2304331 A4 20140625; EP 2304331 B1 20180103; US 2011151387 A1 20110623

DOCDB simple family (application)
US 2008063171 W 20080509; AU 2008355940 A 20080509; CN 200880130281 A 20080509; EP 08769369 A 20080509; US 99128308 A 20080509