

Title (en)
Combustion controlling device

Title (de)
Verbrennungssteuervorrichtung

Title (fr)
Dispositif de contrôle de combustion

Publication
EP 2372247 A2 20111005 (EN)

Application
EP 11160114 A 20110329

Priority
JP 2010079498 A 20100330

Abstract (en)
Two controlling devices, namely a combustion controlling device controlling the combustion of a combustion furnace, and a safety controlling device checking the operation of the devices wherein the operations are controlled by the combustion controlling device. This enables safer control of combustion because if there is a fault in either the combustion controlling device or the safety controlling device, a process can be performed by the other device to stop the combustion. Additionally, because the controlling device for controlling the structural elements that control the combustion in the boiler system and the controlling device for operational checks of the outputs from those structural elements are separate, if there is a failure in any of the structural elements or controlling devices, that failure can be detected reliably, enabling safer control of the combustion.

IPC 8 full level
F23N 5/24 (2006.01); **F23N 5/02** (2006.01)

CPC (source: EP US)
F23N 5/02 (2013.01 - EP US); **F23N 5/242** (2013.01 - EP US); **F23N 2231/10** (2020.01 - EP US)

Citation (applicant)
• JP 2010079498 A 20100408 - CASIO COMPUTER CO LTD
• JP 2001235146 A 20010831 - YAMATAKE CORP

Cited by
WO2015187290A1; US9746176B2; US10161627B2

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2372247 A2 20111005; **EP 2372247 A3 20140312**; CN 102207291 A 20111005; JP 2011208921 A 20111020; US 2011244407 A1 20111006

DOCDB simple family (application)
EP 11160114 A 20110329; CN 201110071864 A 20110316; JP 2010079498 A 20100330; US 201113051072 A 20110318