

Title (en)
Combustion apparatus

Title (de)
Verbrennungsvorrichtung

Title (fr)
Appareil de combustion

Publication
EP 2629007 A2 20130821 (EN)

Application
EP 13155211 A 20130214

Priority
• JP 2012029261 A 20120214
• JP 2012103544 A 20120427

Abstract (en)
Provided is a combustion apparatus, including: a fire chamber for combusting wood pellets; a thermoelectric power generation module disposed outside the fire chamber for generating power based on a temperature difference caused by heating with an internal temperature of the fire chamber and by cooling with an external temperature outside the fire chamber; and an electric drive means (an exhaust fan, a blast fan, a drum-type pellet supply system, an ignition heater, an air supply fan) which operates using, as a drive force, thermoelectric power generated by the thermoelectric power generation module.

IPC 8 full level
F23B 90/00 (2011.01); **F23B 99/00** (2006.01)

CPC (source: EP)
F23B 50/12 (2013.01); **F23B 60/02** (2013.01); **F23B 90/00** (2013.01); **F23B 99/00** (2013.01); **F23M 20/00** (2015.01); **F24B 1/024** (2013.01); **F28D 15/0275** (2013.01); **F23M 2900/13003** (2013.01); **F23N 2231/02** (2020.01)

Citation (applicant)
JP 2009024983 A 20090205 - YAMAMOTO & CO LTD

Cited by
CN107238197A; ITUB20159854A1; CN114790922A; CN104501288A; CN107036283A; CN113531552A; CN103953948A; AT523073B1; AT523073A4; WO2016092316A1; WO2016128608A1

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 2629007 A2 20130821; **EP 2629007 A3 20171025**; JP 2013190195 A 20130926; JP 5410567 B2 20140205

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