

Title (en)
CLOSED HEARTH AND REGULATION METHOD

Title (de)
GESCHLOSSENER HERD UND EINSTELLVERFAHREN

Title (fr)
FOYER FERME ET PROCEDE DE REGULATION

Publication
EP 2359062 A1 20110824 (FR)

Application
EP 09793485 A 20091118

Priority
• EP 2009065409 W 20091118
• BE 200800627 A 20081118

Abstract (en)
[origin: WO2010057929A1] The invention relates to a closed hearth comprising a substantially closed combustion chamber and a system for supplying air and discharging burnt gases that is connected to said combustion chamber and includes an air supply circuit which has a forced air circulation device (18, 30), and a burnt gas discharge circuit. The supply and discharge circuits are in contact over one or more common segments (6) downstream of the forced air circulation device (18, 30) in order to exchange heat between the air and the burnt gases. The closed hearth is characterized in that said system for supplying air and discharging burnt gases also includes a control unit (24) for the forced air circulation device (18, 30), said control unit (24) being connected to a flow rate sensor (25) and being designed to control an air flow rate in such a way that the minimum combustion factor ? in the combustion chamber amounts to 1.5.

IPC 8 full level
F23J 13/02 (2006.01); **F23L 5/00** (2006.01); **F23L 5/02** (2006.01); **F23N 3/08** (2006.01); **F23N 5/18** (2006.01)

CPC (source: EP)
F23J 13/025 (2013.01); **F23L 5/00** (2013.01); **F23N 3/08** (2013.01); **F23N 5/184** (2013.01); **F23J 2211/101** (2013.01); **F23N 2225/30** (2020.01); **F23N 2233/02** (2020.01); **F23N 2233/08** (2020.01)

Citation (search report)
See references of WO 2010057929A1

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 MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
WO 2010057929 A1 20100527; BE 1018339 A3 20100907; EP 2359062 A1 20110824

DOCDB simple family (application)
EP 2009065409 W 20091118; BE 200800627 A 20081118; EP 09793485 A 20091118