

Title (en)

METHOD FOR COMBUSTION CONTROL IN A GAS OR OIL BURNER

Title (de)

VERFAHREN ZUR VERBRENNUNGSREGELUNG BEI EINEM GAS- ODER ÖLBRENNER

Title (fr)

PROCÉDÉ DE RÉGULATION DE LA COMBUSTION SUR UN BRÛLEUR À GAZ OU À FIOUL

Publication

EP 2929248 B1 20170111 (DE)

Application

EP 13798999 A 20131127

Priority

- DE 102012023606 A 20121204
- EP 2013074898 W 20131127

Abstract (en)

[origin: WO2014086645A1] The invention relates to a method for combustion control in a gas or oil burner with variable firing power (A, B, C), in which an ionisation value (5, 6, 7) is determined at a distance d from a combustion surface of the gas and oil burner, using an ionisation electrode. The problem solved by the invention is that of identifying a change in the distance between the ionisation electrode and the combustion surface and particularly taking this into account during the combustion control process. The claimed method is characterised in that at least one first ionisation value (5) is recorded at a first firing power (A), and one second ionisation value (6) is recorded at a second firing power (B) which corresponds to an average firing power, said first ionisation value (5) and second ionisation value (6) being compared to one another.

IPC 8 full level

F23N 5/12 (2006.01)

CPC (source: EP)

F23N 5/12 (2013.01); **F23N 2227/16** (2020.01); **F23N 2227/20** (2020.01)

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

DOCDB simple family (publication)

DE 102012023606 A1 20140605; **DE 102012023606 B4 20190221**; CN 104813105 A 20150729; EP 2929248 A1 20151014; EP 2929248 B1 20170111; WO 2014086645 A1 20140612

DOCDB simple family (application)

DE 102012023606 A 20121204; CN 201380062053 A 20131127; EP 13798999 A 20131127; EP 2013074898 W 20131127