

Title (en)  
Burner assembly

Title (de)  
Brenneranlage

Title (fr)  
Installation de brûleur

Publication  
**EP 2495496 B1 20150429 (DE)**

Application  
**EP 11156892 A 20110303**

Priority  
EP 11156892 A 20110303

Abstract (en)  
[origin: EP2495496A1] The burner system has a grounded burner (1), actuators, flame amplifier including an ionization electrode for producing ionization signal, and control device for controlling air-fuel ratio. An alternating current (AC) voltage source (14) generates AC voltage for electrode. A voltage regulator (19) controls the AC source using measured AC voltage and reference voltage. The voltage control operation of voltage meter (20) is performed such that the time-averaged current flowing through voltage meter is greater than 5% of the time-averaged current flowing through electrode.

IPC 8 full level  
**F23N 5/12** (2006.01)

CPC (source: EP US)  
**F23N 5/123** (2013.01 - EP US); **F23N 5/12** (2013.01 - EP US); **F23N 2225/30** (2020.01 - EP US)

Cited by  
EP3903288A4; EP3173699A1; WO2017081307A1; US10605458B2; EP3571443B1

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)  
**EP 2495496 A1 20120905; EP 2495496 B1 20150429**; CA 2769900 A1 20120903; CA 2769900 C 20150224; ES 2536128 T3 20150520; JP 2012198010 A 20121018; JP 5355732 B2 20131127; PL 2495496 T3 20151030; US 2012276487 A1 20121101; US 9062882 B2 20150623

DOCDB simple family (application)  
**EP 11156892 A 20110303**; CA 2769900 A 20120301; ES 11156892 T 20110303; JP 2012047891 A 20120305; PL 11156892 T 20110303; US 201213412255 A 20120305