Title (en)
METHOD OF CONTROLLING TURBULENT FLOWS

Title (de)
VERFAHREN ZUR REGELUNG TURBULENTER STRÖMUNGEN

Title (fr)
PROCÉDÉ DE RÉGULATION D'ÉCOULEMENTS TURBULENTS

Publication
EP 3301362 B1 20200325 (DE)

Application
EP 16191924 A 20160930

Priority
EP 16191924 A 20160930

Abstract (en)
[origin: US2018094809A1] The present disclosure deals with the regulation of fluid flows in the presence of turbulence. The teachings thereof may be embodied in regulating a fluid in a combustion device. For example, a method for regulating a burner device may include: requesting a flow of a fluid through a feed duct; assigning the requested flow to a setting of a first actuator; transmitting a first signal to set the first actuator; generating a mass flow signal representing an actual flow through the side duct; correlating the second signal to an actual value of the flow through the side duct; correlating the requested flow through the feed duct to a required flow through the side duct; generating a regulation signal with the regulator for the second actuator as a function of the actual value of the flow through the side duct and the requested value of the flow through the side duct; and transmitting the generated regulation signal to the second actuator.

IPC 8 full level
F23N 1/02 (2006.01); **F23D 14/60** (2006.01); **F23N 5/18** (2006.01)

CPC (source: CN EP RU US)
F23D 14/60 (2013.01 - EP US); **F23N 1/02** (2013.01 - RU); **F23N 1/022** (2013.01 - CN); **F23N 1/025** (2013.01 - US); **F23N 1/027** (2013.01 - EP US); F23N 5/18 (2013.01 - US); F23N 2005/181 (2013.01 - EP US); F23N 2223/12 (2020.01 - EP US); F23N 2223/14 (2020.01 - EP US); F23N 2225/06 (2020.01 - US); F23N 2233/08 (2020.01 - CN EP US); F23N 2235/06 (2020.01 - CN); F23N 2235/10 (2020.01 - CN)

Citation (examination)
US 2009111065 A1 20090430 - TOMPKINS GENE [US], et al

Cited by
EP4306912A1; EP4108988A1; EP4194749A1; US11692704B2; WO2021231359A1; WO2022269017A1; EP4050258A1

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 3301362 A1 20180404; **EP 3301362 B1 20200325**; CN 107883399 A 20180406; CN 107883399 B 20200110; ES 2792874 T3 20201112; HU E049484 T2 20200928; PL 3301362 T3 20200824; RU 2674104 C1 20181204; US 11175039 B2 20211116; US 2018094809 A1 20180405

DOCDB simple family (application)
EP 16191924 A 20160930; CN 201710917791 A 20170930; ES 16191924 T 20160930; HU E16191924 A 20160930; PL 16191924 T 20160930; RU 2017133736 A 20170928; US 201715722129 A 20171002