Title (en)
   CONTROL SYSTEM FOR BURNER

Title (de)
   STEUERUNGSSYSTEM FÜR BRENNER

Title (fr)
   SYSTÈME DE COMMANDE POUR FOUR

Publication
   EP 3583358 A4 20210519 (EN)

Application
   EP 18754976 A 20180216

Priority
   • US 201762460166 P 20170217
   • US 2018018478 W 20180216

Abstract (en)
   [origin: WO2018152394A1] A method of controlling operation of a furnace having a pre-mixed burner, a heat exchanger, and an inducer blower downstream of the heat exchanger includes monitoring a pressure drop across the heat exchanger. The speed of the inducer blower is controlled in response to the monitored pressure drop to thereby control mass flow through the furnace.

IPC 8 full level
   F23N 5/18 (2006.01); **F24H 3/08** (2006.01); **H02P 6/08** (2016.01)

CPC (source: EP US)
   F23N 1/022 (2013.01 - EP US); **F24H 3/087** (2013.01 - EP US); **F24H 9/2035** (2013.01 - EP US); **F24H 15/242** (2022.01 - EP US); **F24H 15/35** (2022.01 - EP US); F23N 2225/08 (2020.01 - US); F23N 2235/12 (2020.01 - US); F23N 2237/16 (2020.01 - US); F24H 15/20 (2022.01 - EP US); F24H 15/238 (2022.01 - EP US); F24H 15/31 (2022.01 - EP US); F24H 15/414 (2022.01 - EP US)

Citation (search report)
   • [XI] US 5819721 A 19981013 - CARR LARRY L [US], et al
   • [X] US 5676069 A 19971014 - HOLLENBECK ROBERT K [US]
   • [X] US 2003059730 A1 20030327 - SIGAFUS PAUL E [US], et al
   • [X] US 2008124667 A1 20080529 - SCHULTZ MICHAEL W [US]
   • See references of WO 2018152394A1

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)
   WO 2018152394 A1 20180823; CA 3053382 A1 20180823; CN 110546434 A 20191206; CN 110546434 B 20220729; EP 3583358 A1 20191225; EP 3583358 A4 20210519; US 2019383486 A1 20191219

DOCDB simple family (application)
   US 2018018478 W 20180216; CA 3053382 A 20180216; CN 201880012437 A 20180216; EP 18754976 A 20180216; US 201816484904 A 20180216