

Title (en)  
FLAME IMAGE ANALYSIS FOR FURNACE COMBUSTION CONTROL

Title (de)  
FLAMMENBILDANALYSE FÜR DIE VERBRENNUNGSREGELUNG EINES OFENS

Title (fr)  
ANALYSE D'IMAGE DE FLAMME POUR COMMANDE DE COMBUSTION DE FOUR

Publication  
**EP 3555527 A1 20191023 (EN)**

Application  
**EP 18712329 A 20180302**

Priority  
US 2018020617 W 20180302

Abstract (en)  
[origin: WO2019168542A1] Operation of a combustion control system of furnace is controlled by image analysis, outside of the furnace or within the furnace, of a flame produced by combustion within the furnace, to correlate the image with carbon monoxide content of the flame, and adjustment of the oxygen and/or fuel flow into the furnace in response to the correlation.

IPC 8 full level  
**F23N 1/02** (2006.01)

CPC (source: EP KR RU)  
**F23N 1/022** (2013.01 - EP KR); **F23N 5/242** (2013.01 - EP KR RU); **F27D 19/00** (2013.01 - RU); **F23N 2229/04** (2020.01 - EP KR); **F23N 2229/20** (2020.01 - EP KR); **F23N 2241/18** (2020.01 - EP KR); **F23N 2900/05001** (2013.01 - EP KR)

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DOCDB simple family (publication)  
**WO 2019168542 A1 20190906; WO 2019168542 A8 20200903**; AU 2018410969 A1 20200924; AU 2018410969 B2 20220602; AU 2022203748 A1 20220623; BR 112020017165 A2 20201222; CN 111801527 A 20201020; CN 111801527 B 20230124; EP 3555527 A1 20191023; EP 3555527 B1 20211117; EP 3974721 A1 20220330; ES 2904862 T3 20220406; JP 2021515173 A 20210617; JP 7102535 B2 20220719; KR 102572097 B1 20230830; KR 20200118493 A 20201015; KR 20220136487 A 20221007; MX 2020008812 A 20200928; PL 3555527 T3 20220221; RU 2751829 C1 20210719

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