

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)
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Citation (search report)
See references of WO 2019168542A1

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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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