

Title (en)
OXY FLAT FLAME BURNER AND BLOCK ASSEMBLY

Title (de)
SAUERSTOFF-FLACHBRENNER UND BLOCKANORDNUNG

Title (fr)
ENSEMBLE BLOC ET BRÛLEUR À FLAMME PLATE OXY

Publication
EP 4103880 A4 20240110 (EN)

Application
EP 20918889 A 20200212

Priority
US 2020017854 W 20200212

Abstract (en)
[origin: WO2021162684A1] A block and burner assembly including a flat flame burner sub-assembly which includes a flat flame burner body in fluid communication with a gas source. The flat flame burner body includes a gas inlet in fluid communication with the gas source and a gas nozzle, and a fuel inlet in fluid communication a fuel nozzle, wherein the gas nozzle is arranged to at least partially encompass the fuel nozzle. The block and burner assembly includes a flat flame burner block arranged to receive at least a portion of the fuel nozzle and at least a portion of the gas nozzle, a staged injector sub-assembly in fluid communication with the gas source, and a staged injector block connected to the flat flame burner block and arranged to receive the at least a portion of the staged injector sub-assembly wherein the flat flame burner block and the staged injector block are separable.

IPC 8 full level
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CPC (source: EP US)
F23C 6/045 (2013.01 - US); **F23D 14/22** (2013.01 - EP US); **F23D 14/32** (2013.01 - EP US); **F23M 5/025** (2013.01 - EP); **F23D 2900/14641** (2013.01 - EP)

Citation (search report)

- [XY] US 5833447 A 19981110 - BODELIN PIERRE [FR], et al
- [X] WO 2010023256 A1 20100304 - AIR LIQUIDE [FR], et al
- [Y] WO 2010083410 A1 20100722 - AIR PROD & CHEM [US], et al
- See also references of WO 2021162684A1

Designated contracting state (EPC)
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US 2020017854 W 20200212; CN 202080096355 A 20200212; EP 20918889 A 20200212; EP 23213512 A 20200212; JP 2022549065 A 20200212; US 202017760254 A 20200212