

Title (en)

FLAMELESS OXIDATION DEVICE, APPARATUS AND METHOD

Title (de)

VORRICHTUNG, EINRICHTUNG UND VERFAHREN ZUR FLAMMENLOSEN OXIDATION

Title (fr)

DISPOSITIF, APPAREIL ET PROCÉDÉ D'OXYDATION SANS FLAMME

Publication

**EP 3143330 A1 20170322 (EN)**

Application

**EP 15722752 A 20150511**

Priority

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- GB 2015051371 W 20150511

Abstract (en)

[origin: WO2015173548A1] A device for the flameless oxidation of fuel, for example comprising a flameless oxidation burner, is described. The device comprises a first conduit to convey a fluid fuel phase to a first outlet and direct a primary jet comprising the fluid fuel phase outwardly therefrom; and a second conduit to convey a jacketing gas to a second outlet; wherein the second conduit is disposed surroundingly about the first conduit so as direct a jacketing jet of the jacketing gas outwardly therefrom surroundingly about the primary jet. The invention further relates to an apparatus for the flameless oxidation of fuel comprising one or more such devices, for example disposed to direct such fuel into a reaction chamber for flameless oxidation. The invention further relates to a method of flameless oxidation of fuel and to a method of operation of such a device or apparatus.

IPC 8 full level

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Citation (search report)

See references of WO 2015173548A1

Citation (examination)

- US 5570679 A 19961105 - WUNNING JOACHIM [DE]
- US 2009314035 A1 20091224 - NIEHOFF THOMAS [DE], et al

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