

Title (en)

Monitoring flare stack pilot burners

Title (de)

Überwachung von Fackelrohrzündbrennern

Title (fr)

Surveillance de brûleurs à flamme pilote de torchères

Publication

**EP 2325561 A2 20110525 (EN)**

Application

**EP 10251981 A 20101122**

Priority

GB 0920457 A 20091123

Abstract (en)

A flare stack comprises an upwardly extending gas discharge duct 10 and a pilot burner 16 operative at a burner location near the open top end of the duct 10 to ignite gas discharged by way of the duct. Atmospheric samples from the burner location are delivered to a monitoring station 20 remote from the duct 10 and at ground level 12. A sensor at the monitoring station 20 is responsive to a parameter of the sample indicative of combustion at the burner location such as increased CO<sub>2</sub> or NO<sub>x</sub> or decreased O<sub>2</sub>. An igniter is operatively associated with the sensor and arranged to light the pilot burner 16 automatically if the sensor does not detect said parameter in the sample.

IPC 8 full level

**F23N 5/00** (2006.01); **F23G 7/08** (2006.01)

CPC (source: EP GB US)

**F23D 14/725** (2013.01 - GB); **F23G 7/085** (2013.01 - EP GB US); **F23N 5/003** (2013.01 - EP GB US)

Citation (examination)

- WO 03073001 A1 20030904 - GREENENVIRONMENT OY [FI], et al
- GB 2140587 A 19841128 - KELSALL SPURR JOHN KENNETH FRA

Cited by

CN104807022A

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2325561 A2 20110525**; **EP 2325561 A3 20120926**; BR PI1010448 A2 20160329; GB 0920457 D0 20100106; GB 2475541 A 20110525; US 2011207064 A1 20110825

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