

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 CO₂ or NO_x or decreased O₂. 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)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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

DOCDB simple family (application)

EP 10251981 A 20101122; BR PI1010448 A 20101123; GB 0920457 A 20091123; US 95119110 A 20101122