

Title (en)

Air flare apparatus and method

Title (de)

Luftfackelvorrichtung und -verfahren

Title (fr)

Torchère à renvoi d'air et procédé associé

Publication

**EP 2251601 A2 20101117 (EN)**

Application

**EP 10250914 A 20100512**

Priority

US 46477209 A 20090512

Abstract (en)

A flare apparatus for discharging and burning flare gas in the atmosphere is provided. The flare tip includes a flare gas conduit having a flare gas discharge opening and a combustion air conduit having a combustion air discharge opening. All of the flare gas to be flared is discharged through the flare gas discharge opening into a unified column of air discharged through the combustion air discharge opening. The flare gas discharge opening and the combustion air discharge opening are positioned with respect to one another such that flare gas discharged from the flare gas discharge opening is discharged inwardly into combustion air that is discharged from the combustion air discharge opening and admixed therewith. Essentially all of the discharged flare gas is admixed with discharged combustion air or external atmospheric air outside of the flare apparatus thereby preventing internal burning. A method of flaring a mixture of flare gas and combustion air is also provided.

IPC 8 full level

**F23G 7/08** (2006.01)

CPC (source: BR EP US)

**F23G 7/08** (2013.01 - BR); **F23G 7/085** (2013.01 - BR EP US)

Citation (applicant)

US 5846068 A 19981208 - SCHWARTZ ROBERT E [US], et al

Cited by

AT513618A4; AT513618B1

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 SE SI SK SM TR

Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

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**EP 10250914 A 20100512**; AR P100101625 A 20100511; AU 2010201853 A 20100507; BR PI1001922 A 20100512; CA 2700957 A 20100416; CN 201010178195 A 20100511; JP 2010109317 A 20100511; KR 20100044028 A 20100511; MX 2010004321 A 20100420; SG 2010027696 A 20100420; TW 99114285 A 20100504; US 46477209 A 20090512