

Title (en)
CRUDE GAS TORCH COMPRISING AN ADJUSTABLE OPENING CROSS-SECTION FOR FLARING COMBUSTIBLE GASES AND METHOD FOR BURNING CRUDE GASES

Title (de)
ROHGASFACKEL MIT VERSTELLBAREM ÖFFNUNGSQUERSCHNITT ZUM ABFACKELN VON BRENNBAREN GASEN UND VERFAHREN ZUR VERBRENNUNG VON ROHGASEN

Title (fr)
TORCHÈRE DE GAZ BRUT À SECTION D'OUVERTURE RÉGLABLE POUR LA COMBUSTION EN TORCHÈRE DE GAZ COMBUSTIBLES, ET PROCÉDÉ POUR LA COMBUSTION DE GAZ BRUTS

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Application
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Abstract (en)
[origin: CA2809070A1] The invention relates to a device for flaring combustible gases, comprising an adjustable opening cross-section, wherein said device comprises three tubes which are arranged about a common longitudinal axis, and wherein the tubes are arranged at least in some sections in a common cross-sectional plane, and wherein the inner tube is designed as a gas introduction tube and comprises at the opening that ends at the top in the vertical direction a diaphragm that can be adjusted in the cross section and through which the gas stream can be closed or regulated and which is fitted with an automatable mechanism for adjusting the opening cross-section. The device typically contains also at least one air guiding plate, feed devices for an inert gas and an ignition mechanism, thereby ensuring a high reliability for flaring the gas and a low emission of nitrogen oxides and soot. The invention further relates to a method for operating said device which is suitable for flaring crude gases which are to be combusted.

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