

Title (en)

DEVICE FOR CONTINUOUSLY MIXING FED-OUT NATURAL GAS WITH OXYGEN TO PRODUCE A BURNABLE GAS FOR HEATING PRESSURIZED NATURAL GAS BEFORE OR AFTER THE EXPANSION THEREOF

Title (de)

VORRICHTUNG ZUM KONTINUIERLICHEN MISCHEN VON AUSGESPEICHERTEM ERDGAS MIT SAUERSTOFF ZU EINEM BRENNGAS FÜR EINE ERWÄRMUNG DES UNTER DRUCK STEHENDEN ERDGASES VOR ODER NACH SEINER ENTSPANNUNG

Title (fr)

DISPOSITIF POUR LE MÉLANGE CONTINU DE GAZ NATUREL DÉSTOCKÉ AVEC DE L'OXYGÈNE POUR FORMER UN GAZ COMBUSTIBLE SERVANT À CHAUFFER LE GAZ NATUREL SOUS PRESSION AVANT OU APRÈS SA DÉTENTE

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Application

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Abstract (en)

[origin: CA2734367A1] The invention relates to a device for continuously mixing fed-out natural gas with oxygen to produce a burnable gas used for heating the pressurized natural gas before or after the relaxation thereof, comprising a mixing section having connections for a natural gas supply line, an oxygen infeed line, and a burnable gas discharge line. The mixing section is designed as a closed mixing container, which has a mixing chamber, at the center of which forming a mixing zone a distributing pipe for oxygen is disposed that is joined to the connection for oxygen infeed. The mixing chamber is filled completely, and the distributing pipe is filled at least partially, with a packing of ceramic granular material. The mixing chamber of the mixing container is equipped with temperature sensors for temperature measurement. The mixing container is designed as a standing container, which at the bottom has the connection of the natural gas supply and at the top the connection for the burnable gas discharge.

IPC 8 full level

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