

Title (en)

METHOD FOR CONTINUOUSLY CONDITIONING GAS, PREFERABLY NATURAL GAS

Title (de)

VERFAHREN ZUM KONTINUIERLICHEN KONDITIONIEREN VON GAS, VORZUGSWEISE ERDGAS

Title (fr)

PROCÉDÉ POUR LE CONDITIONNEMENT CONTINU DE GAZ, EN PARTICULIER DE GAZ NATUREL

Publication

EP 2310747 A2 20110420 (DE)

Application

EP 09775870 A 20090512

Priority

- DE 2009000665 W 20090512
- DE 102008036243 A 20080804

Abstract (en)

[origin: CA2734365A1] Before being fed into a pipe, particularly a network of pipes for the supply of consumers, gas, preferably natural gas, is continuously conditioned. The pressurized gas is removed from a reservoir, expanded, and heated to a predefined temperature before or after the expansion thereof in that a branched-off partial flow of the fed-out natural gas is mixed with oxygen and the resulting burnable gas is catalytically burned. The fed-out gas is heated with the thermal energy that is produced. For this purpose, a partial exhaust gas flow is branched off from a hot exhaust gas flow released during the catalytic combustion and conducted into a first container together with the cold burnable gas. The burnable gas is mixed with the supplied exhaust gas flow in the first container and is heated, and the mixture composed of the exhaust gas and burnable gas preheated in this way is conducted away from the first container into a second container, where it is subjected to the catalytic combustion, the heat of which is used to heat the fed-out gas to be conditioned to the respectively desired temperature.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2010015214A2

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