

Title (en)
DEVICE FOR CONTINUOUSLY CONDITIONING FED-OUT NATURAL GAS

Title (de)
VORRICHTUNG FÜR EINE KONTINUIERLICHE KONDITIONIERUNG VON AUSGESPEICHERTEM ERDGAS

Title (fr)
DISPOSITIF POUR LE CONDITIONNEMENT CONTINU DE GAZ NATUREL DÉSTOCKÉ

Publication
EP 2324223 B1 20141015 (DE)

Application
EP 09775873 A 20090512

Priority
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• DE 102008036244 A 20080804

Abstract (en)
[origin: CA2734371A1] In a device for continuously conditioning fed-out natural gas prior to feeding the same to supply lines leading to consumers, comprising a mixing station for producing a burnable gas from natural gas and oxygen, a reactor container for a catalytic combustion of an introduced mixture of burnable gas and natural gas, at least one drying station that is connected down-stream of an outlet of the reactor container and has at least one separator, particularly for water, and further comprising at least one expansion fitting for reducing the pressure, it is provided to dispose the reactor container and at least one separator chamber of the separator in an enclosed housing. A mixing chamber, into which a first feed line for fed-out cold natural gas opens, is disposed in the housing between the reactor container and the separator chamber. A transition is provided for the direct entry of the heated natural gas flowing out of the reactor container into the mixing chamber. The mixing chamber comprises a mixing chamber outlet, which leads into the separator chamber. The reactor container, separator chamber and mixing chamber have condensate drains leading into external condensate traps. A second feed line for fed-out natural gas opens into a region of the housing which corresponds to the arrangement of the reactor container in the housing. Expansion fittings are connected upstream of the feed lines for natural gas into the housing.

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