

GAS SUPPLY SYSTEM FOR HIGH- AND LOW-PRESSURE GAS-CONSUMING DEVICES AND METHOD FOR CONTROLLING SUCH A SYSTEM

Abstract

The present invention relates to a supply system (1) for supplying a high-pressure gas-consuming device (4) and a low-pressure gas-consuming device (5), the supply system (1) comprising: a first supply circuit (2), a second supply circuit (3), a return line (14), a first heat exchanger (6) and a second heat exchanger (7), the supply system (1) comprising a heat treatment branch (33) connected to the second supply circuit (3), the supply system (1) comprising a third heat exchanger (36) configured to operate a heat exchange between the gas flowing through the heat treatment branch (33) and the gas flowing through the return line (14).

Fig. 1