Title (en)

MULTIPLE BURNER ARRANGEMENT FOR OPERATING A COMBUSTION CHAMBER, AND METHOD FOR OPERATING THE MULTIPLE BURNER ARRANGEMENT

Title (de)

MEHRFACHBRENNERANORDNUNG ZUM BETRIEB EINER BRENNKAMMER SOWIE VERFAHREN ZUM BETREIBEN DER MEHRFACHBRENNERANORDNUNG

Title (fr)

ENSEMBLE A PLUSIEURS BRULEURS SERVANT A FAIRE FONCTIONNER UNE CHAMBRE DE COMBUSTION ET PROCEDE POUR FAIRE FONCTIONNER UN TEL ENSEMBLE

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Application

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Abstract (en)

[origin: WO2005095864A1] The invention relates to a multiple burner arrangement and to a method for operating the multiple burner arrangement comprising a multitude of individual burners, which are designed as premix burners and serve to heat a combustion chamber of a heat engine and each comprises a swirl chamber into which combustion intake air and fuel are introduced while forming a swirling flow. The swirling flow forms a backflow area, which is situated downstream from the premix burner inside the combustion chamber and inside of which a burner flame forms. The premix burners can be supplied with fuel via at least one first and one second fuel line (7, 8) via which the fuel can be fed into the swirling space in order to form the swirling flow. The first fuel line (7) of each premix burner is connected to a first ring line, and the second fuel line (8) of each premix burner is connected to a second ring line. In at least one first group of premix burners, a control unit that influences the supply of fuel is provided in at least one of the fuel lines (7, 8).

IPC 8 full level

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