

Title (en)
CONTROLLING A MIXING RATIO

Title (de)
STEUERUNG EINES MISCHVERHÄLTNISSES

Title (fr)
COMMANDE D'UN RAPPORT DE MÉLANGE

Publication
EP 4283196 A1 20231129 (EN)

Application
EP 23154564 A 20230201

Priority
EP 22174741 A 20220523

Abstract (en)
Controlling a mixing ratio. A method of controlling a mixing ratio of combustion air and a gaseous fuel comprising more than twenty percent of hydrogen gas, wherein the combustion air and the gaseous fuel are combusted together in a combustion chamber (2), the method comprising the steps: a first optical sensor (8) recording a first raw signal directly originating from a flame (1) inside the combustion chamber (2), producing a first sensor signal from the first raw signal, and sending the first sensor signal to a controller (14); the controller (14) determining a first signal strength of the first sensor signal; after recording the first raw signal, changing a supply of combustion air and/or of gaseous fuel to the combustion chamber (2); the at least one first optical sensor (8) recording a second raw signal directly originating from the flame (1) inside the combustion chamber (2).

IPC 8 full level
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CPC (source: EP)
F23N 1/022 (2013.01); **F23N 5/082** (2013.01); **F23C 2900/9901** (2013.01); **F23N 2229/14** (2020.01)

Citation (applicant)

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- US 5037291 A 19910806 - CLARK DANIEL R [US]
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Citation (search report)

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