

Title (en)  
MIXER FOR EXHAUST FUMES RECIRCULATION BURNERS

Title (de)  
MISCHER FÜR ABGASRÜCKFÜHRUNGSBRENNER

Title (fr)  
MÉLANGEUR POUR BRÛLEURS DE RECIRCULATION DE FUMÉES D'ÉCHAPPEMENT

Publication  
**EP 3857124 B1 20220126 (EN)**

Application  
**EP 18796746 A 20180927**

Priority  
IB 2018057490 W 20180927

Abstract (en)  
[origin: WO2020065378A1] A mixer (1) for exhaust fume recirculation burners defines a first inlet section (12) for a flow of comburent air, a second inlet section (13) for a flow of recirculation fumes, a mixing chamber (11) for the air and recirculation fumes and an outlet section (14) for the mixture of air and recirculation fumes; the mixer (1) further comprises a first valve device (20) interposed between the first inlet section (12) and the mixing chamber (11) for controlling the flow rate of the flow of comburent air; a second valve device (30) interposed between the second inlet section (13) and the mixing chamber (11) for controlling the flow rate of the flow of recirculation fumes; an activation device (40) active on the first and on the second valve devices (20, 30) for activating them simultaneously; an adjustment member (50) interposed between the activation device (40) and at least one respective valve device (20, 30) for defining a movement following an activation of the activation device (40). The adjustment member (50) can be configured according to a plurality of different configurations so that a same actuation of the activation device (40) corresponds to different movements of the respective valve device (30) and is associated with an adjustment means (80) configured to set such configurations of the adjustment member (50).

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