

Title (en)
Insert for a tiled stove.

Title (de)
Kachelofeneinsatz.

Title (fr)
Insert pour un poêle en faïence.

Publication
EP 0212212 A2 19870304 (DE)

Application
EP 86109429 A 19860710

Priority
• DE 3525617 A 19850718
• DE 3605644 A 19860221

Abstract (en)
1. Insert for a tiled stove, with an impermeable false bottom (23) which is located below the combustion chamber (12), with a flue gas chamber (28) at the bottom, and with an impermeable intermediate wall (20) which is arranged adjacent to the rear wall of said insert but spaced apart therefrom, and which defines a rear flue gas chamber (30a, 30b), and which terminates spaced from the covering wall ; wherein both flue gas chambers (28a, 28b, 30a, 30b) communicate with one another ; the flue gas chamber at the bottom (28a, 28b) is closed by an openable front closure plate 31, and to the flue gas chamber at the rear (30a, 30b) there is connected a flue gas outlet pipe (32) ; and wherein the flue gases in the flue gas chambers (28a, 28b, 30a, 30b) perform a heat exchange with the ambient atmosphere ; characterised in that the false bottom (23) is directly connected to the front wall (14) and flow-sealingly separates the combustion chamber (12) from the flue gas chamber at the bottom (28a, 28b) ; that both flue gas chambers (28a, 28b, 30a, 30b) are divided by vertical partition walls (25, 27) into part-chambers (28a, 28b, 30a, 30b) ; that the partition wall (25), of which there is at least one, and which is located below the false bottom (23), terminates at a distance from the front wall (14) ; that between the upper edge of the intermediate wall (20) and the covering wall, in the region of at least one first vertical part-chamber (30a), there is formed a flue gas inlet opening (33) which is intended for this part-chamber (30a) and which communicates with the combustion chamber (12) ; that connected with the upper edge of the intermediate wall (20), in the region of the contiguous second part-chamber (30b) which is separated therefrom by the partition wall (27), there is a connecting wall (35) which leads towards the covering wall, and the flue gas outlet pipe (32) is associated with this second part-chamber (30b) ; and that each rear part-chamber (30a, 30b) communicates with a part-chamber at the bottom (28a, 28b), and the flue gases are led in countercurrent in adjacent part-chambers (28a, 28b, 30a, 30b).

Abstract (de)
Ein Kachelofeneinsatz (10) hat rückwandseitige und damit kommunizierende bodenseitige Teilkammern, in die die Rauchgase aus dem Brennraum (12) oben eintreten, hinten abwärts und unter einem Zwischenboden (23) nach vorn geführt werden, wo sie umgelenkt werden, in eine benachbarten Teilkammer (28b) nach hinten und dann über eine rückseitige Teilkammer (30b) zum Auslaßstutzen (32) geführt werden. Zwischen einer Bodenwanne (18) und dem Zwischenboden (23) wird ein Vorwärmkanal (50) für Frischluft gebildet, die durch rückwandseitige Auslaßöffnungen (54) in den Brennraum strömt. Die Frischluft wird weiterhin durch einen frontseitigen Auslaßschlitz (44) und seitliche Austrittsöffnungen (48) in den Brennraum geführt. Die Rauchgaszüge lassen sich leicht reinigen.

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IPC 8 full level
F24B 1/02 (2006.01); **F24B 1/04** (2006.01); **F24B 5/02** (2006.01); **F24B 7/00** (2006.01)

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