

Title (en)
Tile stove.

Title (de)
Kachelofen.

Title (fr)
Poêle de faïence.

Publication
EP 0058984 A1 19820901 (DE)

Application
EP 82101344 A 19820223

Priority
• IT 250781 A 19810224
• IT 2151081 A 19810505
• IT 2164481 U 19810505
• IT 2247481 U 19810724

Abstract (en)
1. A tile stove comprising a combustion chamber, a smoke gas flue channel and an external tile facing, the smoke gas flue channel forming a self-supporting inside smoke gas flue structure and consisting of a number of building-brick-type smoke gas vent blocks exhibiting smoke gas deviating openings, said blocks being arranged relative to each other in such a way that they form a snake-like smoke gas flue channel, characterized in that pipe-like, building-brick-type inserts for heating air and water may be inserted into the smoke gas flue blocks (10, 11) and/or into the self-supporting inside stove structure, in that the inside smoke gas vent structure (3) is formed by smoke gas flue twin columns (27) whose single smoke gas flue columns (27a, 27b) each comprise a plurality of building-brick-type smoke gas flue blocks (10, 11) of two types, arranged alternately one on top of the other, in that the smoke gas flue blocks of both types (10, 11) are designed as hollow, longish blocks (10, 11) having a substantially rectangular cross-section and open ends, and exhibit a first smoke gas deviating opening (12) in one side wall in the vicinity of one end of the block, and a second smoke gas deviating opening (13) in a horizontal side of the block in the vicinity of the other end of the block, the second smoke gas deviating opening (13) being provided for one type of smoke gas flue blocks (10) in one horizontal side of the block and for the other type of smoke gas flue blocks (11) in the other horizontal side of the block, and in that the smoke gas flue blocks (10, 11) of one smoke gas flue column (27b) are each arranged rotated 180 degrees around their longitudinal axis relative to the smoke gas flue blocks (10, 11) of the other smoke gas flue column (27a) having the same layers, so that the vertical smoke gas deviating openings (12) of two adjacent smoke gas flue blocks of the same type (10 or 11) each forming one layer (14, 15) of the smoke gas flue twin columns (27) face each other.

Abstract (de)
Ein Kachelofen (1) mit einem aus baukastenartigen übereinanderangeordneten Rauchgaszugbausteinen (10, 11; 30) gebildeten Rauchgaszugweg (20). Die Rauchgaszugbausteine (10, 11; 30) können eine oder mehrere Rauchgaszugsäulen (27) bilden, die nebeneinander oder auch voneinander entfernt zur Bildung von Zwischenräumen (21, 22; 25) zur Warmlufterwärmung angeordnet sind. In den Rauchgaszugbausteinen (10, 11; 30) und gegebenenfalls in den Warmluftzwischenräumen (21, 22; 25) sowie im Ofenfeuererraum (2) sind rohrartige Wärmeaustauschereinsätze (37, 34) zur Warmlufterwärmung bzw. zur Erwärmung von Haushalts- bzw. Heizungswarmwasser angeordnet.

IPC 1-7
F24B 5/02; **F24B 1/06**

IPC 8 full level
F24B 1/06 (2006.01); **F24B 5/02** (2006.01); **F24B 9/00** (2006.01)

CPC (source: EP)
F24B 1/06 (2013.01); **F24B 5/02** (2013.01); **F24B 9/00** (2013.01)

Citation (search report)
• [A] DE 675269 C 19390504 - EMMY PHILIPP GEB FLEISCHER
• [A] DE 211584 C
• [A] GB 133850 A

Cited by
EP0976983A1; US6014603A; ITTO20130124A1; EP0418988A3; WO2009090304A1

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