

Title (en)  
Multifunctional heating device

Title (de)  
Multifunktionelles Heizungsgerät

Title (fr)  
Appareil de chauffage multifonctionnel

Publication  
**EP 0908683 B1 20030423 (EN)**

Application  
**EP 98203420 A 19981009**

Priority  
NL 1007251 A 19971010

Abstract (en)  
[origin: EP0908683A1] A heating device (14) for heating a space (31) comprises: a burner (19); a first heat exchanger (1) with a first passage (15) and a second passage (16), which first passage (15) is connectable to a feed (20) for outside air for supplying fresh outside air to the burner (19), and which second passage (16) is connectable to a feed (21) for return air from said space (31) for discharging the return air to a discharge (22) to the outside; a second heat exchanger (2) with a first passage (17) and a second passage (18); which first passage (17) connects with its inlet to the outlet of the first passage (15) of the first heat exchanger (1) and connects with its outlet to a discharge (23) for heated air to said space (31); the outlet of which first passage (15) also connects to the burner (19) for supplying combustion air thereto; the discharge (24) of which burner (19) connects to the inlet of the second passage (18); the outlets of which second passages (16,18) jointly connect onto the discharge (22); fan means (11,12) for maintaining at least the air flow through the burner (19); and is characterized by a bypass (24) connected between the feed (20) and the discharge (23) for direct through-feed of a flow of outside air to the discharge (23), in which bypass (24) is accommodated a valve (4) adjustable by central control means (33); a valve (5) placed between the outlet of the first passage (15) and the inlet of the first passage (17) which is adjustable by the central control means (3). <IMAGE>

IPC 1-7  
**F24D 5/04**

IPC 8 full level  
**F24D 5/04** (2006.01)

CPC (source: EP)  
**F24D 5/04** (2013.01); **F24D 2200/22** (2013.01)

Cited by  
US9121620B2; US11946661B2; US9612024B2; WO2012113932A3

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