

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

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0908683 A1 19990414; EP 0908683 B1 20030423; AT E238524 T1 20030515; DE 69813718 D1 20030528; DE 69813718 T2 20040115; DK 0908683 T3 20030811; ES 2198032 T3 20040116; NL 1007251 C2 19990415; PT 908683 E 20030930

DOCDB simple family (application)
EP 98203420 A 19981009; AT 98203420 T 19981009; DE 69813718 T 19981009; DK 98203420 T 19981009; ES 98203420 T 19981009; NL 1007251 A 19971010; PT 98203420 T 19981009