

Title (en)  
HEATING DEVICE

Title (de)  
HEIZVORRICHTUNG

Title (fr)  
DISPOSITIF DE CHAUFFAGE

Publication  
**EP 0763181 A1 19970319 (DE)**

Application  
**EP 96908050 A 19960315**

Priority  
• DE 29504520 U 19950316  
• DE 19510017 A 19950320  
• EP 9601132 W 19960315

Abstract (en)  
[origin: WO9628696A1] The invention concerns a heating device with a first heating element (100) and a covering (10); the first heating element (100) comprises (preferably vertical) collecting tubes (150), and, connected thereto, (preferably horizontal) heating tubes (152). The heating device is also provided with a forward flow duct and return flow duct (114 and 116 respectively), and according to the invention the covering (12) is of such an extent that the region between the collector pipes across the width of the latter is substantially covered, while the region along the principal length is partially exposed to cover at least partially the forward flow and return flow ducts.

IPC 1-7  
**F24D 19/06**; **F28D 1/04**; **F28D 1/03**

IPC 8 full level  
**F24D 19/06** (2006.01); **F24H 9/12** (2006.01); **F28D 1/03** (2006.01); **F28D 1/04** (2006.01); **F28D 1/047** (2006.01); **F28F 9/26** (2006.01)

CPC (source: EP)  
**F24D 19/0002** (2013.01); **F24D 19/0024** (2013.01); **F24D 19/0036** (2013.01); **F24D 19/0048** (2013.01); **F24D 19/0063** (2013.01); **F24D 19/06** (2013.01); **F28D 1/04** (2013.01); **F28D 1/0435** (2013.01); **F28D 1/047** (2013.01); **F28F 9/262** (2013.01); **F24D 2220/2045** (2013.01); **F28D 2021/0035** (2013.01); **F28D 2021/0036** (2013.01)

Cited by  
EP2233872A1; ITMI20090295A1

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

DOCDB simple family (publication)  
**WO 9628696 A1 19960919**; AT E194031 T1 20000715; AT E297533 T1 20050615; CZ 334096 A3 19970416; DE 59605458 D1 20000727; DE 59611235 D1 20050714; EP 0763181 A1 19970319; EP 0763181 B1 20000621; EP 0950865 A2 19991020; EP 0950865 A3 20000112; EP 0950865 B1 20050608; HU P9603169 A2 19970528; PL 180860 B1 20010430; PL 317256 A1 19970401; SK 148196 A3 19980114

DOCDB simple family (application)  
**EP 9601132 W 19960315**; AT 96908050 T 19960315; AT 99115090 T 19960315; CZ 334096 A 19960315; DE 59605458 T 19960315; DE 59611235 T 19960315; EP 96908050 A 19960315; EP 99115090 A 19960315; HU P9603169 A 19960315; PL 31725696 A 19960315; SK 148196 A 19960315