

Title (en)  
RADIATOR

Publication  
**EP 0098258 B1 19890301 (DE)**

Application  
**EP 83890093 A 19830603**

Priority  
AT 237282 A 19820618

Abstract (en)  
[origin: EP0098258A2] 1. Heater, in particular heating radiator, to which the thermal energy to be conveyed is supplied by a heating fluid which passes through the heater, in the flow path of the heating fluid in the area of the heater there being provided a reaction turbine (4) in which the heating fluid passes over fluid guiding surfaces to a runner (14) carrying blades (23), and a fan (5) being arranged at the heater which fan is rotatably driven by said turbine intensifies the air flow passing said heater and thus increases the heat dissipation of the heater surfaces, characterized in that an exchangeable insert (21) is arranged ahead of the runner (14) of the turbine, said insert being provided with flow guiding surfaces (22) and directing the flow of the heating fluid.

IPC 1-7  
**F28D 1/02**; **F24D 19/00**

IPC 8 full level  
**F24D 19/00** (2006.01); **F28D 1/02** (2006.01)

CPC (source: EP)  
**F24D 19/00** (2013.01); **F28D 1/024** (2013.01); **F28F 2250/08** (2013.01)

Cited by  
GB2235039A; ITTO20110542A1; GB2450510A; EP1939567A1; GB2266950A; GB2266950B; GB2231621A; GB2231621B; GB2525876A; GB2443297A; GB2443297B; WO9720184A1; WO2009133330A1; WO2008001399A1

Designated contracting state (EPC)  
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