

Title (en)  
Warm-air heating apparatus

Title (de)  
Warmlufttheizeinrichtung

Title (fr)  
Appareil de chauffage d'air chaud

Publication  
**EP 0840073 B1 20030723 (DE)**

Application  
**EP 97810758 A 19971009**

Priority  
CH 270996 A 19961101

Abstract (en)  
[origin: EP0840073A2] The heating device comprises a radial ventilator fan (24) for circulating the warm air in a heating chamber (20). Bearings (50,51) for the ventilator fan are cooled via cold air lines (54,60). The fan is driven by an electric motor (22) on the outside of the heating chamber, with the cold air circulated around the motor before being led to the fan bearings by the cold air lines fitting through the heating chamber housing.

IPC 1-7  
**F24H 3/06**; F04D 29/04; F04D 29/58

IPC 8 full level  
**F04D 29/04** (2006.01); **F04D 29/059** (2006.01); **F04D 29/58** (2006.01); **F24H 3/06** (2006.01)

CPC (source: EP)  
**F04D 29/059** (2013.01); **F04D 29/582** (2013.01); **F24H 3/06** (2013.01)

Cited by  
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Designated contracting state (EPC)  
AT CH DE FR IT LI

DOCDB simple family (publication)  
**EP 0840073 A2 19980506**; **EP 0840073 A3 19991013**; **EP 0840073 B1 20030723**; AT E245788 T1 20030815; DE 59710466 D1 20030828

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