

Title (en)  
Convector

Title (de)  
Konvektor

Title (fr)  
Convecteur

Publication  
**EP 0834705 A1 19980408 (EN)**

Application  
**EP 97202827 A 19970916**

Priority  
NL 1004187 A 19961003

Abstract (en)  
There is described an induction cooling convector (30; 70) suitable for ceiling assembly, for cooling secondary air (14), wherein fresh air (53) is blown as primary air (13) in the longitudinal direction of elongated horizontal air conduction pipes (32). To the air conduction pipes (32), heat pipes (41) are attached, i.e. outside the airflow in the air conduction pipes (32). The air is blow in through nozzles (51; 71) which can be arranged in a wall portion of the air conduction pipes (32) or before the inlet (36) of the air conduction pipes (32). Disposed opposite the outflow opening (35) of the pipes (32) is an inclined guide face (59). The induction cooling convector (30; 70) according to the present invention provides a relatively high induction factor and a good cooling power. The outflowing air flows horizontally along the ceiling. The convector according to the present invention can be used symmetrically, and can even blow out towards two sides simultaneously. <IMAGE>

IPC 1-7  
**F24F 1/01**; **F28D 1/02**

IPC 8 full level  
**F24F 1/01** (2011.01); **F24F 5/00** (2006.01)

CPC (source: EP)  
**F24F 1/01** (2013.01); **F24F 5/0089** (2013.01); **F24F 5/0092** (2013.01); **F24F 2221/14** (2013.01)

Citation (search report)

- [Y] US 2758822 A 19560814 - KARL SAUTER
- [DY] WO 9424491 A1 19941027 - FAREX AB [SE], et al
- [A] NL 7211805 A 19730302
- [A] DE 3044080 A1 19820909 - SCHMIDT REUTER [DE]
- [A] WO 8810402 A1 19881229 - MOSZKOWSKI STEFAN JACEK [SE]

Cited by  
CH707246A1; EP2295918A1; EP3401614A3; EP3406975A1; EP2169322A1; NL2002015C; US9016358B2; WO0206735A1; WO0045094A1

Designated contracting state (EPC)  
BE DE FR GB NL

DOCDB simple family (publication)  
**EP 0834705 A1 19980408**; NL 1004187 C2 19980406

DOCDB simple family (application)  
**EP 97202827 A 19970916**; NL 1004187 A 19961003