

Title (en)

A device for ventilation and cooling and/or heating rooms

Title (de)

Vorrichtung zum Belüften, Kühlen und/oder Beheizen eines Raumes

Title (fr)

Dispositif pour la ventilation, le refroidissement et /ou le chauffage de locaux

Publication

EP 0967444 A3 20000927 (EN)

Application

EP 99850111 A 19990622

Priority

SE 9802216 A 19980623

Abstract (en)

[origin: EP0967444A2] A ceiling mounted device for ventilating rooms and, at the same time, cooling and/or heating the room air includes a cooling/heating baffle (10) which has a longitudinal primary air supply channel (11), a room air cooling/heating coil (20), a mixing chamber (23) for cooled room/heated air and primary air, means (29) for supplying primary air to the mixing chamber (23) through the medium of an induction effect which serves to suck room air into the device and to pass said air through the cooling/heating coil (20), and one or more outlet channels (22) through which a mixture of cooled/heated room air and primary air flows essentially horizontally along the ceiling of the room. The arrangement is characterised in that said means (29) consist of nozzles provided in an inner wall (14) delimiting the primary air supply (11) from remaining parts of the baffle in that part of the wall which delimits the primary air supply (11) from the mixing chamber (23). The supply air nozzles (30,30a) which supply primary air from the primary air channel (11) directly to the room are disposed in one or more of the walls belonging to a casing (13) of the baffle that delimit the primary air channel (11). <IMAGE>

IPC 1-7

F24F 1/01

IPC 8 full level

F24F 1/01 (2011.01)

CPC (source: EP)

F24F 1/01 (2013.01); **F24F 2221/14** (2013.01)

Citation (search report)

- [A] WO 9809115 A1 19980305 - STIFAB FAREX AB [SE], et al
- [A] DE 2033195 A1 19720113 - LTG LUFTECHNISCHE GMBH
- [A] EP 0287546 A2 19881019 - FAREX AS [NO]
- [DA] GB 1011742 A 19651201 - CARRIER CORP

Cited by

US8469783B2; EP2035754A4; EP1319902A1; NL1018216C2; FR2887324A1; EP3951272A1; GB2448079B; WO2009123552A1; WO2006018138A1; US6520247B2; US7000688B2; US6715538B2; WO0028263A1

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