

Title (en)
Ceiling-recessed air treatment apparatus

Title (de)
Deckeneinbauluftbehandlungsgerät

Title (fr)
Appareil de traitement de l'air encastrés dans un plafond

Publication
EP 1589292 A1 20051026 (EN)

Application
EP 04009663 A 20040423

Priority
EP 04009663 A 20040423

Abstract (en)

The ceiling-recessed air treatment apparatus has a main housing with a fan motor, a blower, a heat exchanger assembly and control means. The apparatus further comprises an air filter being folded into a pleated pattern and air vents surrounding the outer heat exchanger sides, wherein a horizontal air guide vane is arranged inside the exit air vent, a motor propels the horizontal air guide vane. The apparatus is recessed and/or suspended from the ceiling wherein the air dispersed into the room does not flow back into an air inlet but has a tendency to be thrust substantially upwards and then parallel to the ceiling because of horizontal lips of a panel frame (46) so that the discharged air does not come into contact with the ceiling. With this apparatus the ceiling does not become dirty or smudged. <IMAGE>

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F24F 1/00; F24F 13/14

IPC 8 full level
F24F 1/00 (2011.01); F24F 13/14 (2006.01)

CPC (source: EP)
F24F 1/0011 (2013.01); F24F 1/0047 (2019.01); F24F 8/108 (2021.01)

Citation (search report)

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