

Title (en)
CEILING-EMBEDDED TYPE AIR CONDITIONER

Title (de)
IN DER DECKE EINGEBAUTE KLIMAANLAGE

Title (fr)
CONDITIONNEUR D'AIR INTEGRE AU PLAFOND

Publication
EP 1152193 A1 20011107 (EN)

Application
EP 00955017 A 20000825

Priority
• JP 0005736 W 20000825
• JP 31582699 A 19991105

Abstract (en)
An air inlet (15) and an air outlet (16) for use during cooling or heating operation of a ceiling-embedded type air conditioner are provided in a decorative panel (14) located at the bottom of the air conditioner (1) presented to a room space. A horizontal vane (18) is provided which can change up and down the supply direction of a conditioned air through the air outlet (16) to guide the conditioned air so that the conditioned air supply direction forms substantially 45 DEG or less with respect to the bottom face of a ceiling board (70). A plurality of straightening plates (19, 19, ...) are arranged on the front face (18a) of the elongated horizontal vane (18) at a predetermined pitch over the entire length in the longitudinal direction thereof to straighten the flow of the conditioned air into a two-dimensional flow along a vertical plane. <IMAGE>

IPC 1-7
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IPC 8 full level
F24F 13/14 (2006.01); **F24F 13/20** (2006.01); **F24F 13/08** (2006.01)

CPC (source: EP)
F24F 1/0011 (2013.01); **F24F 1/0047** (2019.01); **F24F 13/14** (2013.01); **F24F 2013/0616** (2013.01); **F24F 2013/088** (2013.01)

Cited by
US11029058B2; NL1022895C2; EP1319900A1; CN104807081A; EP1816404A3; EP3086051A4; EP1619452A1; EP1688678A4; EP1589292A1; EP3450870A4; EP3805657A4; US10047972B2; US10203124B2; US10197298B2; US10208946B2; US8006512B2; US10203150B2; WO2017218108A1; US11988400B2

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