

Title (en)  
CEILING-MOUNTED INDOOR UNIT FOR AIR CONDITIONING DEVICE

Title (de)  
DECKENMONTIERTE INNENEINHEIT FÜR EINE KLIMAANLAGENVORRICHTUNG

Title (fr)  
UNITÉ D'INTÉRIEUR INSTALLÉE AU PLAFOND POUR DISPOSITIF DE CLIMATISATION

Publication  
**EP 2530395 B1 20151021 (EN)**

Application  
**EP 11737056 A 20110126**

Priority  
• JP 2010014629 A 20100126  
• JP 2011051505 W 20110126

Abstract (en)  
[origin: EP2530395A1] To improve the far reach of blown air and to improve the agitation of air in an air-conditioned room. A ceiling-mounted indoor unit (4) is comprised of a casing (51), at least four horizontal blades (71a to 71d), and an indoor control unit (67). An air outlet (56) is formed in the casing (51) along a peripheral edge portion of a decorative panel (52). The at least four horizontal blades (71a to 71d) are rotatably disposed in the air outlet (56), and their airflow-direction angles in an up-and-down direction are capable of being changed independently. The indoor control unit (67) controls the horizontal blades in such a way that first horizontal blades, which are at least two of the horizontal blades (71a to 71d) adjacent to each other among the at least four horizontal blades (71a to 71d), synchronously swing while taking the same posture and a combination of the first horizontal blades shifts in order along the peripheral edge portion of the decorative panel (52).

IPC 8 full level  
**F24F 1/00** (2011.01); **F24F 11/02** (2006.01); **F24F 13/14** (2006.01); **F24F 13/20** (2006.01)

CPC (source: BR EP KR US)  
**F24F 1/0014** (2013.01 - BR EP KR US); **F24F 1/0047** (2019.01 - EP US); **F24F 11/79** (2017.12 - KR); **F24F 13/14** (2013.01 - EP KR US); **F24F 1/0047** (2019.01 - KR); **F24F 13/14** (2013.01 - BR)

Cited by  
EP2857763A1; EP3751212A4; EP3130861A1; EP3358265A4; EP3187791A4; EP3309470A4; EP4023947A4; EP3671054A1; US10047972B2; US11333376B2; US10197298B2; US10837670B2; US10203150B2; US10760812B2; US10203124B2; US10900688B2; US11473805B2; EP3604945A4; CN111373209A; CN111433525A

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