

Title (en)
INDOOR AIR CONDITIONER

Title (de)
INNENRAUMKLIMAANLAGE

Title (fr)
CLIMATISEUR INTÉRIEUR

Publication
EP 3088806 A1 20161102 (EN)

Application
EP 14874416 A 20141217

Priority
• JP 2013272121 A 20131227
• JP 2014083440 W 20141217

Abstract (en)
To provide both surging proof stress and energy conservation properties in a wall-mounted air-conditioning indoor machine, a stabilizer (17), a rear guider (18), and a cross-flow fan (30) are arranged so that three expressions, $(\angle a - \angle 0) > 16^\circ$, $17^\circ < (\angle b - \angle 0) < 26^\circ$, and $\angle b \neq \angle a$, are satisfied by a reference angle $(\angle 0)$ formed by a fan-referencing horizontal line (L1) and a scroll-referencing line (L2), a first angle $(\angle a)$ formed by the fan-referencing horizontal line (L1) and a first straight line (SL1) connecting a fan center point (O) and a front-surface-side closest point (P7) of the stabilizer (17), and a second angle $(\angle b)$ formed by the fan-referencing horizontal line (L1) and a second straight line (SL2) connecting the fan center point (O) and a back-surface-side closest point (P8) of the rear guider (18).

IPC 8 full level
F04D 17/04 (2006.01); **F04D 29/42** (2006.01); **F24F 1/0063** (2019.01); **F24F 1/0067** (2019.01); **F24F 1/0073** (2019.01); **F24F 13/20** (2006.01); **F24F 13/30** (2006.01)

CPC (source: EP US)
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