

Title (en)  
INDOOR AIR CONDITIONER

Title (de)  
INNENRAUMKLIMAANLAGE

Title (fr)  
CLIMATISEUR INTÉRIEUR

Publication  
**EP 3088806 B1 20180418 (EN)**

Application  
**EP 14874416 A 20141217**

Priority  
• JP 2013272121 A 20131227  
• JP 2014083440 W 20141217

Abstract (en)  
[origin: EP3088806A1] 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,  $(\theta_a - \theta_0) > 16^\circ$ ,  $17^\circ < (\theta_b - \theta_0) < 26^\circ$ , and  $\theta_b \neq \theta_a$ , are satisfied by a reference angle  $(\theta_0)$  formed by a fan-referencing horizontal line (L1) and a scroll-referencing line (L2), a first angle  $(\theta_a)$  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  $(\theta_b)$  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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