

Title (en)

BLOWER FOR OUTDOOR UNIT, OUTDOOR UNIT, AND REFRIGERATION CYCLE DEVICE

Title (de)

GEBLÄSE FÜR EINE AUSSENEINHEIT, AUSSENEINHEIT UND KÄLTEKREISLAUFVORRICHTUNG

Title (fr)

SOUFFLANTE POUR UNITÉ EXTÉRIEURE, UNITÉ EXTÉRIEURE ET DISPOSITIF À CYCLE DE RÉFRIGÉRATION

Publication

EP 2618066 B1 20190904 (EN)

Application

EP 10857216 A 20100914

Priority

JP 2010005596 W 20100914

Abstract (en)

[origin: US2013125579A1] A propeller fan rotates about a vertical axis. A bellmouth has a wall extending such that an air passage on an outlet side spreads outward. The bellmouth has a shape satisfying: $H/D \geq 0.04$ between a length H of the sloping surface in a direction of the rotation axis from an end on an inlet; side to an end on the outlet side and a fan diameter D of the propeller fan $0 < \theta \leq 60^\circ$ for an angle theta formed between a line connecting the ends of the sloping surface and the rotation axis; and $L/L_0 \geq 0.5$ between a length L in the direction of the rotation axis from an opening on the inlet side to the end of the sloping surface on the inlet side and a length L₀ of the blades of the propeller fan in the direction of the rotational axis.

IPC 8 full level

F24F 1/38 (2011.01)

CPC (source: EP US)

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