

Title (en)

FAN BLOWER, INDOOR UNIT, AND AIR CONDITIONER

Title (de)

VENTILATORGEBLÄSE, INNENRAUMEINHEIT UND KLIMAANLAGE

Title (fr)

VENTILATEUR DE SOUFFLANTE, UNITÉ INTÉRIEURE, ET CLIMATISEUR

Publication

EP 3916238 A1 20211201 (EN)

Application

EP 19910985 A 20190121

Priority

JP 2019001661 W 20190121

Abstract (en)

A blower (100) includes: a motor (20) including a rotation shaft (21) and a drive unit (22); and a centrifugal fan (10) including a main plate (11) fixed to the rotation shaft (21), a side plate (13) having an annular shape and spaced apart from the main plate (11) in an extending direction in which the rotation shaft extends, and a plurality of vanes (12) disposed between the main plate (11) and the side plate (13). The main plate (11) has a protruding portion (16) disposed centrally in a radial direction and protruding toward the side plate (13) in the extending direction. The protruding portion (16) has a protruding surface (16a) and a recessed surface (16b) in which at least a part of the drive unit (22) is accommodated. A height (a) of the protruding portion (16) in the extending direction is less than a half of a width (b) of an air outlet (15) in the extending direction. A width (c) of a portion of the drive unit (22) in the extending direction that is disposed inside the recessed portion (19) is greater than a half of a width (d) of the drive unit (22) in the extending direction.

IPC 8 full level

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CPC (source: EP)

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Designated extension state (EPC)

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