

CEILING FAN

ABSTRACT

5 Provided is ceiling fan (1) equipped with brushless DC motor (10).
Ceiling fan (1) includes duty instruction unit (6) that instructs an ON/OFF
duty in PWM control of a switching element, and motor current detector (14)
that detects current flowing through drive coil (2) of the brushless DC motor.
In ceiling fan (1), a duty instruction value is determined by duty instruction
10 unit (6) based on a detection value of motor current detector (14). According
to this configuration, ceiling fan (1) that can blow air by rotating blades at
constant and maximum torque without being affected by a change in the
distance between the blades and a ceiling due to the installation state of
ceiling fan (1) can be provided.

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[FIG.3]