Title (en)
 PROPELLER FAN

Title (de)
 PROPELLERLÜFTER

Title (fr)
 VENTILATEUR HÉLICOÏDAL

Publication
 EP 2905474 B1 20190828 (EN)

Application
 EP 12886000 A 20121003

Priority
 JP 2012075656 W 20121003

Abstract (en)
 [origin: EP2905474A1] Provided is a propeller fan (1), including: a boss section (3) including a tubular wall (3a); and a plurality of blades (5) extending in a radiate manner from an outer peripheral surface (3d) of the tubular wall of the boss section. Secondary flow control slits (7) are each formed between a pair of the adjacent blades on the outer peripheral surface. Each of a plurality of the secondary flow control slits passes through the tubular wall to communicate between an inside of the boss section and an outside of the boss section. A downstream end of the tubular wall is closed, whereas an upstream end of the tubular wall is open. In side view, the each of the plurality of the secondary flow control slits extends obliquely to a rotation axis of the propeller fan, and extends obliquely in the same direction as a forming direction of a blade root portion of each of the plurality of blades.

IPC 8 full level
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CPC (source: CN EP US)
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