

Title (en)

MULTI-BLADE FAN

Title (de)

VENTILATOR MIT MEHREREN SCHAUFELN

Title (fr)

VENTILATEUR À PALES MULTIPLES

Publication

EP 3020979 A1 20160518 (EN)

Application

EP 13889351 A 20130710

Priority

JP 2013068871 W 20130710

Abstract (en)

A multiblade blower (1) includes: a first impeller (3a) arranged in a casing (2) having an air inlet (6) ; and a second impeller (3b) arranged in an internal space of the first impeller. The first impeller is a centrifugal fan including a plurality of first-impeller blades (11). The second impeller is an axial-flow fan including a plurality of second-impeller blades (14) extending radially from a rotation axis (5). In the second-impeller blades, a swirling-direction component of a wake in a region on an outer peripheral side in the internal space of the first impeller is smaller than a swirling-direction component of a wake in a region on an inner peripheral side in the internal space.

IPC 8 full level

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CPC (source: EP)

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