

Title (en)

FAN WHEEL WITH THREE-Dimensionally curved impeller blades

Title (de)

GebläseRad mit dreidimensional gekrümmten Laufradschaufeln

Title (fr)

Roue de soufflerie pourvu de pales de rotor courbées tridimensionnelles

Publication

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Application

EP 21172988 A 20210510

Priority

DE 102020114387 A 20200528

Abstract (en)

[origin: US2021372424A1] A fan wheel (1) has a bottom disc (4), a cover disc (3) and impeller blades (2) arranged around a rotation axis (RA) of the fan wheel (1). The blades, in each case, extend over a blade length from a blade leading edge (5) to a blade trailing edge (6). The impeller blades (2) are divided into a front section (10), rear section (12) and transition section (11). The front section (10), extends proceeding from the blade leading edge (5) in the direction of the blade trailing edge (6). The rear section (12) extends proceeding from the blade trailing edge (6), in the direction of the blade leading edge (5). The transition section (11) forms a transition between the front section (10) and the rear section (12). The impeller blades (2) are formed with opposite curvature in the course from the bottom disc (4) to the cover disc (3) in the front section (10) and the rear section (12).

IPC 8 full level

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CPC (source: CN EP US)

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