

Title (en)

COVERED RADIAL FAN WHEEL WITH A PERIODICALLY AND ASYMMETRICALLY SHAPED PLATE

Title (de)

GEDECKTES RADIALGEBLÄSERAD MIT EINER PERIODISCH UND ASYMMETRISCH GEFORMTEN SCHEIBE

Title (fr)

ROUE SOUFFLANTE RADIALE RECOUVERTE PAR UN DISQUE DE FORME PÉRIODIQUE ET ASYMÉTRIQUE

Publication

**EP 3571416 A1 20191127 (DE)**

Application

**EP 18762797 A 20180822**

Priority

- DE 102017120537 A 20170906
- EP 2018072693 W 20180822

Abstract (en)

[origin: CN207777266U] The utility model relates to one kind radial fan wheel (1) with a plurality of fan wheel blade (4) of arranging in the cascade ring and at least one are at the distolateral some earth shifter lid thatpursues at least of axial the gasket of fan wheel blade (4), wherein two adjacent fan wheel blade (4) respectively form one vane channel (5) between them, the through -flow cross section of vane channel receives in the axial the gasket restriction, wherein the axial width of vane channel at least along periphery from the restriction of radial fan wheel (1) the side (S) of breathing in of fan wheel blade (4) of vane channel (5) is set out towards adjacent, restriction the direction increase of the compression -side (D) of the fan wheel blade of vane channel (5) is until maximum value (M), wherein the maximum value is in on fan wheel's the radial section, radial section is in the restriction the breathe in side (S) and adjacent, the restriction of the fan wheel blade of vane channel (5) 55of interval between the compression -side (D) of fan wheel blade (4) of vane channel (5) between 95%, make the gasket sees to have the asymmetrical shape between two adjacent fan wheel blade (4) alongcircumference.

IPC 8 full level

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CPC (source: EP US)

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DOCDB simple family (application)

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