

Title (en)

Profiled shroud for a fan rotor and its use in motor driven fans for cars

Title (de)

Profilierte Lüfterdüse für Lüfter und ihre Anwendung in Kraftwagenmotorlüftern

Title (fr)

Virole annulaire profilée pour hélice de ventilateur et son application aux motoventilateurs d'automobile

Publication

EP 0541429 B1 19970409 (FR)

Application

EP 92402961 A 19921102

Priority

FR 9113754 A 19911107

Abstract (en)

[origin: US5249927A] The profiled annular hoop for a fan helix blade tip exhibits a curved inlet collar whose convexity is directed towards the axis (100), and is characterized in that this collar (11) has a given axial length (l) and a meridian section (110) shaped approximately as a quarter ellipse whose eccentricity is of the order of 1.5 and whose major half-axis (a) lies between approximately one third and one half of this given axial length (l). Application to cooling motorized fans of vehicle radiators.

IPC 1-7

F04D 29/32; **F04D 29/54**

IPC 8 full level

F04D 29/32 (2006.01); **F04D 29/54** (2006.01)

CPC (source: EP US)

F04D 29/326 (2013.01 - EP US); **F04D 29/547** (2013.01 - EP US); **Y10S 415/914** (2013.01 - EP US)

Citation (examination)

EP 0490308 A1 19920617 - CARRIER CORP [US]

Cited by

EP0881394A3; FR2942508A1; GB2346654A; GB2346654B; WO2009062292A1

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