

Title (en)  
Automotive fan and associated front unit

Title (de)  
Kraftfahrzeuglüfter und mit diesem versehen Kraftfahrzeugfrontteil

Title (fr)  
Ventilateur pour véhicule automobile et bloc avant associé

Publication  
**EP 1813820 B1 20090909 (FR)**

Application  
**EP 07290103 A 20070125**

Priority  
FR 0600782 A 20060127

Abstract (en)  
[origin: EP1813820A1] The fan has a rotary propeller (18) rotative around an axis (X-X'), and comprising a central unit (20) and two fan blades (22). Each auxiliary air deflector (26A, 26B) is integrated to the propeller such that the auxiliary air deflector is driven in rotation with the propeller, and is arranged in a swept volume by the blades during rotation of the propeller. The propeller has a peripheral ferrule (24) connecting free ends of the blades. The auxiliary air deflector (26B) radially projects towards the central unit from the ferrule.

IPC 8 full level  
**F04D 29/38** (2006.01)

CPC (source: EP)  
**F04D 29/326** (2013.01); **F04D 29/327** (2013.01); **F04D 29/329** (2013.01); **F04D 29/384** (2013.01)

Citation (examination)  
"Les Techniques de l'Ingénieur"

Cited by  
CN102966591A; US2016146088A1; US2018202452A1; US10563664B2; FR3108065A1; EP2843239A3; WO2017017264A1; WO2021181025A1

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