

Title (en)  
TURBOFAN AND AIR CONDITIONER

Title (de)  
TURBOLÜFTER UND KLIMAANLAGE

Title (fr)  
TURBOVENTILATEUR ET CLIMATISEUR

Publication  
**EP 2264320 A1 20101222 (EN)**

Application  
**EP 09731652 A 20090304**

Priority  
• JP 2009054060 W 20090304  
• JP 2008109046 A 20080418

Abstract (en)  
A turbofan 10 includes a main plate 2 having a boss 2a that is a fixed portion to which a rotational shaft of a motor is secured, a plurality of blades 4, and a side plate 3 forming an inlet air guide wall. A blade trailing edge 4e has at least two inflection points on which the blade trailing edge 4e on the side of the main plate 2 convexly curves in the rotational direction and the blade trailing edge 4e on the side of the side plate 3 concavely curves in the opposite rotational direction. Between a main plate side curved portion and a side plate side curved portion, the blade is formed such that the main plate 2 side is slanted in the rotational direction in relation to the side plate 3 side.

IPC 8 full level  
**F04D 29/28** (2006.01); **F24F 1/0038** (2019.01); **F04D 29/30** (2006.01); **F24F 13/06** (2006.01)

CPC (source: EP US)  
**F04D 29/281** (2013.01 - EP); **F04D 29/282** (2013.01 - EP); **F04D 29/30** (2013.01 - EP); **F24F 1/0022** (2013.01 - EP);  
**F24F 1/0038** (2019.01 - EP US); **F24F 1/0047** (2019.01 - EP); **F24F 2013/0616** (2013.01 - EP)

Cited by  
CN103174673A; AU2013263811B2; CN103174672A; CN103185030A; EP3660405A4; US10697474B2; US11015610B2; US11608834B2

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
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