

Title (en)
TURBOFAN AND AIR CONDITIONER

Title (de)
TURBOLÜFTER UND KLIMAANLAGE

Title (fr)
TURBOVENTILATEUR ET CLIMATISEUR

Publication
EP 2264320 A4 20150415 (EN)

Application
EP 09731652 A 20090304

Priority
• JP 2009054060 W 20090304
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Abstract (en)
[origin: EP2264320A1] 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)
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Citation (search report)
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• [XI] GB 2105791 A 19830330 - GEBHARDT GMBH WILHELM [DE]
• [XI] JP 2003232295 A 20030822 - SHARP KK
• See references of WO 2009128299A1

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

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