

Title (en)
IMPELLER OF BLOWER

Title (de)
FLÜGELRAD FÜR GEBLÄSE

Title (fr)
ROUE DE VENTILATEUR

Publication
EP 2378131 B1 20161026 (EN)

Application
EP 09832808 A 20091204

Priority
• CN 2009001376 W 20091204
• CN 200810207469 A 20081219

Abstract (en)
[origin: EP2378131A1] An impeller (1) of blower comprises several vanes (2) mounted between an upper edge board (4) and a lower edge board (5) of the impeller. The vane (2) has at least one concave pressing rib (21) along its transverse. The concave pressing rib (21) has a through hole (22) at its end which is near the end of the vane (2). When the impeller (1) of blower operates, part of air at the front surface of the vane (2) flows through the through hole (22) at the end of the concave pressing rib (21) to the rear surface of the vane (2) along the direction of the concave pressing rib (21). The pressure at the front surface and the rear surface of the vane (2) can be balanced to reduce the resistance of the air and to increase the amount of ventilation. Therefore the efficiency is increased.

IPC 8 full level
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CPC (source: EP)
F04D 29/281 (2013.01); **F04D 29/30** (2013.01); **F04D 29/681** (2013.01)

Cited by
CN104235062A; ITCO20130024A1; JP2016521821A; RU2667855C2; WO2014198790A1

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DOCDB simple family (publication)
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