

Title (en)
Impeller and turbocharger

Title (de)
Flügelrad und Turbolader

Title (fr)
Rotor et turbocompresseur

Publication
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Application
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Abstract (en)
An impeller (112, 212) comprising a rotation axis (21), a radial direction, a backplate (2) and a number of vanes (9) which are connected to the backplate (2) at a line of connection (22) is provided. Each vane (9) comprises an upstream side (14), a downstream side (15) and an outer side (23). The downstream side (15) of each vane (9) comprises an edge portion (27) which is located near the outer side (23). The vanes (9) project radially over the backplate (2) and the downstream side (15) further comprises a connecting portion (24) connecting the edge portion (27) to the backplate (2) and including an angle with the radial direction. Moreover, a turbocharger comprising an inventive impeller (112, 212) is disclosed.

IPC 8 full level
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CPC (source: EP US)
F04D 29/284 (2013.01 - EP US); **F04D 29/30** (2013.01 - EP US); **F05D 2240/304** (2013.01 - EP US)

Citation (applicant)
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Designated extension state (EPC)
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EP 08002766 A 20080214; CN 200880126770 A 20081218; EP 08872443 A 20081218; GB 2008004190 W 20081218; JP 2010546388 A 20081218; KR 20107020435 A 20081218; US 86781608 A 20081218