

Title (en)
BLADE WHEEL OF A TURBOMACHINE

Title (de)
SCHAUFELRAD EINER STRÖMUNGSMASCHINE

Title (fr)
ROUE À AUBES D'UNE TURBOMACHINE

Publication
EP 3611387 B1 20211006 (DE)

Application
EP 19190987 A 20190809

Priority
DE 102018119704 A 20180814

Abstract (en)
[origin: US2020056486A1] A blade wheel of a turbomachine, which blade wheel has a multiplicity of blades which are suitable and provided for extending radially in a flow path of the turbomachine, wherein the blades form a blade entry angle and a blade exit angle. Provision is made whereby the blade wheel forms N blocks of blades, where $N \geq 2$, wherein the blades of a block have in each case the same blade entry angle and the same blade exit angle, and the blades of at least two mutually adjacent blocks have a different blade entry angle and/or a different blade exit angle. According to a further aspect of the invention, partial gaps that the blades form in relation to an adjacent flow path boundary are varied in mutually adjacent blocks.

IPC 8 full level
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Cited by
FR3144634A1; CN113685363A

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