

Title (en)  
BUCKET WHEEL OF A TURBOMACHINE

Title (de)  
SCHAUFELRAD EINER STRÖMUNGSMASCHINE

Title (fr)  
ROUE À AUBES D'UNE TURBOMACHINE

Publication  
**EP 3940200 B1 20240313 (DE)**

Application  
**EP 21195914 A 20190809**

Priority  
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• EP 19190987 A 20190809

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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