

Title (en)  
IMPELLER, ROTARY MACHINE, AND IMPELLER MANUFACTURING METHOD

Title (de)  
LAUFRAD, ROTATIONSMASCHINE UND LAUFRADHERSTELLUNGSVERFAHREN

Title (fr)  
HÉLICE, MACHINE TOURNANTE, ET PROCÉDÉ DE FABRICATION D'HÉLICE

Publication  
**EP 3415767 A1 20181219 (EN)**

Application  
**EP 17766726 A 20170315**

Priority  
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Abstract (en)  
An impeller includes a disc (3a) having a disc shape about an axis, a plurality of blades (3b) formed on a surface facing a first side in an axial direction of the disc (3a) at intervals in a circumferential direction around the axis, and a cover (3c) surrounding the plurality of blades (3b) from the first side in the axial direction. The cover (3c) includes an inner circumferential surface (11) connected to the blade (3b) with a diameter decreasing from the second side toward a first side in the axial direction, and a distal end surface (13) extending from an end portion of the inner circumferential surface (11) on the first side in the axial direction toward the outside in a radial direction and facing the first side in the axial direction. A front edge portion (20), which is an edge portion of the blade (3b) on the first side in the axial direction, extends from a boundary (K) between the inner circumferential surface (11) and the distal end surface (13) toward the inside in the radial direction.

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