

Title (en)
VARIABLE DIFFUSER AND COMPRESSOR

Title (de)
VARIABLE DIFFUSOR UND KOMPRESSOR

Title (fr)
DIFFUSEUR VARIABLE ET COMPRESSEUR

Publication
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Application
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Priority
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Abstract (en)
There is provided a variable diffuser for a compressor in which the efficiency can be further improved. In a variable diffuser 30 in which a diffuser passage 33, which restores a static pressure from a dynamic pressure by decelerating an air flow that is discharged from an outer peripheral end of an impeller that rotates within a housing, is formed between a hub side wall 32a and a shroud side wall 31a, and diffuser vanes are provided in the diffuser passage 33, fixed vanes 35 and movable vanes 34 that are the diffuser vanes, are alternately fixed in the circumferential direction to a fixed circular plate 32 and a movable circular plate 31 that form the hub side wall 32a and the shroud side wall 31a, and there is provided a driving device 40 that turns the movable circular plate 31 about the same axis as the rotation of the impeller.

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