

Title (en)

CENTRIFUGAL COMPRESSOR DIFFUSER AND CENTRIFUGAL COMPRESSOR PROVIDED WITH THE SAME

Title (de)

ZENTRIFUGALKOMPRESSOR-DIFFUSOR UND DAMIT AUSGESTATTETER ZENTRIFUGALKOMPRESSOR

Title (fr)

DIFFUSEUR POUR COMPRESSEUR CENTRIFUGE ET COMPRESSEUR CENTRIFUGE COMPORTANT CE DIFFUSEUR

Publication

EP 2613056 A1 20130710 (EN)

Application

EP 11821560 A 20110817

Priority

- JP 2010193623 A 20100831
- JP 2011068611 W 20110817

Abstract (en)

A centrifugal compressor diffuser includes a shroud-side wall (58) provided downstream of a centrifugal impeller; a hub-side wall provided so as to face the shroud-side wall (58); a plurality of shroud-side blades (3) fixed at base ends thereof to the shroud-side wall (58) and hub-side blades (4) fixed at base ends thereof to the hub-side wall. The shroud-side blades (3) and the hub-side blades (4) are combined in such a state that inlet angles thereof differ from one another and that at least portions of top ends thereof in a blade height direction are abutted onto one another. In gaps where the top ends of the combined shroud-side blades (3) and hub-side blades (4) are not abutted onto one another, a connecting member (5) that connects the top ends is provided so as to fill at least portions of the gaps.

IPC 8 full level

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CPC (source: EP KR US)

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