

Title (en)  
CENTRIFUGAL COMPRESSOR

Title (de)  
ZENTRIFUGALVERDICHTER

Title (fr)  
COMPRESSEUR CENTRIFUGE

Publication  
**EP 2072834 A1 20090624 (EN)**

Application  
**EP 07714007 A 20070209**

Priority  
• JP 2007052391 W 20070209  
• JP 2006255383 A 20060921

Abstract (en)  
There is provided a centrifugal compressor having a diffuser structure in which airflow is unlikely to separate from a hub side wall surface on a hub side wall surface downstream side within a diffuser passage. In a centrifugal compressor provided with a diffuser passage 15 for recovering static pressure by slowing down discharged air from an outer circumferential end of an impeller that rotates within a housing 11, a hub side wall surface 15b of the diffuser passage 15 is provided with an inclined plane 20 that approaches toward a shroud side, in a position on a downstream side of a portion parallel with a normal line direction of a section surface of an impeller exit.

IPC 8 full level  
**F04D 29/44** (2006.01)

CPC (source: EP KR US)  
**F04D 29/002** (2013.01 - KR); **F04D 29/403** (2013.01 - KR); **F04D 29/441** (2013.01 - EP KR US); **F05D 2210/12** (2013.01 - KR); **F05D 2250/52** (2013.01 - EP); **F05D 2260/60** (2013.01 - KR); **Y10S 415/00** (2013.01 - KR); **Y10S 417/00** (2013.01 - KR)

Citation (search report)  
See references of WO 2008035465A1

Cited by  
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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
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