

Title (en)
CENTRIFUGAL COMPRESSOR

Title (de)
ZENTRIFUGALVERDICHTER

Title (fr)
COMPRESSEUR CENTRIFUGE

Publication
EP 2806170 B1 20181226 (EN)

Application
EP 13738815 A 20130111

Priority
• JP 2012006714 A 20120117
• JP 2013050360 W 20130111

Abstract (en)
[origin: EP2806170A1] A centrifugal compressor for which $\alpha \pm 0^\circ$ and $0^\circ < \alpha < 34^\circ$, when the angle formed by a diffuser inlet hub-side line (5a) and the radial direction at a point B in the meridian plane is α , and the angle formed by a tangent line (3b) and the radial direction at a point A of an impeller hub-side line (3a) nearest the inlet of the diffuser (5) is \pm . Thus, skewing of the velocity distribution of a gas within the diffuser of the centrifugal compressor is eliminated.

IPC 8 full level
F04D 17/10 (2006.01); **F04D 29/28** (2006.01); **F04D 29/44** (2006.01)

CPC (source: EP US)
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EP 2806170 A1 20141126; **EP 2806170 A4 20151118**; **EP 2806170 B1 20181226**; CN 103998790 A 20140820; CN 103998790 B 20161019; JP 2013147935 A 20130801; JP 5905268 B2 20160420; US 2014369823 A1 20141218; WO 2013108712 A1 20130725

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