

Title (en)

PERFORMANCE CHARACTERISTICS STABILISATION IN A RADIAL COMPRESSOR.

Title (de)

KENNFELDESTABILISIERUNG BEI EINEM RADIALVERDICHTER.

Title (fr)

STABILISATION DES CARACTERISTIQUES DE FONCTIONNEMENT DANS DES COMPRESSEURS CENTRIFUGES RADIAUX.

Publication

**EP 0545953 B1 19941012**

Application

**EP 91914047 A 19910730**

Priority

- DE 4027174 A 19900828
- EP 9101431 W 19910730

Abstract (en)

[origin: WO9203660A1] As a device for stabilising the performance characteristics, a radial compressor comprises a circulation chamber (31) which makes pressure equalisation between the impeller and the intake region possible. The intake region has an intake ring (10) which makes it possible to influence the flow in the intake region so that the performance characteristics be stabilised without substantial losses. The compressor may be adapted to customer's requirements by changing the intake ring.

IPC 1-7

**F04D 27/02**; **F04D 29/42**

IPC 8 full level

**F04D 27/02** (2006.01); **F04D 29/42** (2006.01); **F04D 29/44** (2006.01)

CPC (source: EP KR US)

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**WO 9203660 A1 19920305**; AT E112820 T1 19941015; BR 9106796 A 19930706; CA 2090615 A1 19920301; CS 262791 A3 19920318; DE 4027174 A1 19920305; DE 4027174 C2 19920611; DE 59103244 D1 19941117; EP 0545953 A1 19930616; EP 0545953 B1 19941012; JP H05509142 A 19931216; KR 920702468 A 19920904; PL 291433 A1 19920713; US 5333990 A 19940802; ZA 915834 B 19920429

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