

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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