

Title (en)

Bypass valve for a compressor.

Title (de)

Abblasventil für einen Kompressor.

Title (fr)

Dispositif de décharge de compresseur.

Publication

EP 0174892 A1 19860319 (FR)

Application

EP 85401706 A 19850903

Priority

FR 8413694 A 19840906

Abstract (en)

[origin: US4679982A] A ring or other annular assembly is supported within a compressor casing by means of one or more resiliently deformable bodies of elastomeric material adhered between two rigid plates. One of the rigid plates is secured to the ring, the other to the compressor casing, and both plates are disposed parallel to the direction of movement of the ring. Preferably, the resiliently deformable body is made up of an alternating stack of the elastomeric plates and rigid plates adhered together, and parallel with the first two rigid plates which secured the body to the ring and the casing. A compressor of a gas turbine plant incorporates an antisurge blow-off valve mechanism in the form of a slot formed in the outer wall defining the flow path and an annular assembly movable axially of the plant to close and open the slot.

Abstract (fr)

L'anneau (10) de décharge d'un compresseur axial en particulier de turbomachine est supporté dans le carter par l'intermédiaire d'un ou plusieurs corps (8) en matériau élastomère comprise entre deux plaques rigides (85, 87) auxquelles elle adhère par collage, vulcanisation ou tout autre moyen. L'une des plaques (87) est solidaire de l'anneau (10), l'autre (85) du carter du compresseur et elles sont disposées parallèlement à la direction de déplacement de l'anneau. De préférence, ce corps est constitué d'un empilement alterné de plaques élastomères et de plaques rigides adhérant les unes aux autres et parallèles aux deux premières.

IPC 1-7

F04D 27/02

IPC 8 full level

F04D 27/02 (2006.01)

CPC (source: EP US)

F04D 27/0215 (2013.01 - EP US); **F04D 27/023** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0174892 A1 19860319; EP 0174892 B1 19880309; DE 3561835 D1 19880414; FR 2569785 A1 19860307; FR 2569785 B1 19860912; US 4679982 A 19870714

DOCDB simple family (application)

EP 85401706 A 19850903; DE 3561835 T 19850903; FR 8413694 A 19840906; US 77322685 A 19850906