

Title (en)

Manifold for cooling gas in a turbomachinery seal gap control

Title (de)

Kühlgaskrümmmer für Dichtungsspaltregelung einer Turbomaschine

Title (fr)

Dispositif de soufflage de gaz de réglage de jeux dans une turbomachine

Publication

EP 0816639 A1 19980107 (FR)

Application

EP 97401486 A 19970626

Priority

FR 9607978 A 19960627

Abstract (en)

The fundamental part of the flow system is a gas mixer (8) which is located in the gas stream before the ring (3) to heat or cool. The system consists of several successive chambers (12,14,15). These chambers are delimited by partition walls (16,17) with apertures (11,16,17,18) which are more numerous in a partition nearest the stator rings. The numbers of apertures are in geometric progression from one partition to another. There is a thermal adjustment chamber (6), delimited by the ring, one of the partitions and parallel small walls (7) joined to the ring. The small walls have exhaust holes (20).

Abstract (fr)

L'élément primordial est un mélangeur (8) des gaz, qui est disposé sur l'écoulement des gaz avant la pièce (3) à échauffer ou refroidir, et qui consiste en une succession de chambres (12, 14, 15) munies d'orifices de communication ou de sortie (16, 17, 18) toujours plus nombreux pour uniformiser l'écoulement des gaz en débit et température. Application aux turbomachines. <IMAGE>

IPC 1-7

F01D 11/24; **F01D 25/14**

IPC 8 full level

F01D 11/24 (2006.01); **F01D 25/14** (2006.01)

CPC (source: EP US)

F01D 11/24 (2013.01 - EP US); **F01D 25/14** (2013.01 - EP US)

Citation (search report)

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- [A] WO 9211444 A1 19920709 - ROLLS ROYCE PLC [GB]
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