

Title (en)

Assembly for sealing the gap between two segments of a vane ring

Title (de)

Anordnung zum Abdichten des Spaltes zwischen zwei Segmenten eines Leitschaufelrings

Title (fr)

Agencement pour étanchéifier la fente entre deux segments d'un anneau statorique

Publication

EP 3000981 A1 20160330 (DE)

Application

EP 14186779 A 20140929

Priority

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Abstract (en)

[origin: WO2016050641A1] The invention relates to a connection arrangement (1; 101) of a compressor guide disk (2; 102) of a compressor, said compressor guide disk being equipped with a plurality of guide vanes (107). The connection arrangement is constituted of at least two arcuate ring segments (3; 103) of the compressor guide disk (2; 102) and sealing elements (4) for sealing expansion joints (5; 105) formed by the two ring segments (3; 103). The arrangement comprises also wear protection elements (15; 115) to reduce wear of the at least two interacting ring segments (3; 103) caused by the sealing elements (4). The sealing element is rigid to such an extent and coupled to the relevant ring segments such that said ring segments interact with each other.

Abstract (de)

Die Erfindung betrifft eine Verbindungsanordnung (1; 101) einer mit einer Vielzahl an Leitschaufeln (107) ausgerüsteten Verdichterleitscheibe (2; 102) eines Verdichters mit wenigstens zwei miteinander wechselwirkenden Ringsegmenten (3; 103) der Verdichterleitscheibe (2; 102) und mit Dichtungselementen (4) zum Abdichten von durch die zwei Ringsegmente (3; 103) gebildeten Dehnungsfugen (5; 105), gekennzeichnet durch Verschleißschutzmittel (15; 115), um einen durch die Dichtungselemente (4) bedingten Verschleiß der wenigstens zwei miteinander wechselwirkenden Ringsegmente (3; 103) zu reduzieren.

IPC 8 full level

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Citation (search report)

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