

Title (en)
COMPRESSOR INLET ADJUSTMENT MECHANISM

Title (de)
VERDICHTEREINLASSVERSTELLMECHANISMUS

Title (fr)
MÉCANISME DE RÉGLAGE D'ADMISSION DE COMPRESSEUR

Publication
EP 3715637 B1 20221026 (EN)

Application
EP 19165123 A 20190326

Priority
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Abstract (en)
[origin: EP3715637A1] The present invention relates to an adjustment mechanism (10) for variably adjusting the cross-section of a compressor inlet (312) . The adjustment mechanism comprises a plurality of rotatable orifice elements (100,100') and a transmission ring (210) . Each orifice element has a plate body (130) , a coupling element (110) and a bearing pin (120,120') . The transmission ring is mechanically coupled to the plurality of orifice elements via the coupling elements. One of the orifice elements is configured as a drive orifice element. The bearing pin of the drive orifice element is configured as an elongated bearing pin (120') . The elongated bearing pin is configured longer than the bearing pins of the other orifice elements. Furthermore, the elongated bearing pin is adapted to be coupled to an actuation system (230) such that when the drive orifice element is moved by the actuation system, movement is transmitted from the drive orifice element via the transmission ring to the other orifice elements.

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Citation (examination)
• US 2009095350 A1 20090416 - BAUMAN WALTER DOUGLAS [US], et al
• US 2015125274 A1 20150507 - LIANG KUN-YI [TW], et al

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EP3650708B1

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EP 3715637 A1 20200930; EP 3715637 B1 20221026; CN 111749928 A 20201009; CN 210889464 U 20200630; US 2020309141 A1 20201001

DOCDB simple family (application)
EP 19165123 A 20190326; CN 201910344048 A 20190423; CN 201920551923 U 20190423; US 202016814389 A 20200310