

Title (en)
COMPRESSOR HAVING AN ADJUSTABLE DIFFUSER WALL AND METHOD THEREFOR

Title (de)
VERDICHTER MIT VERSTELLBARER DIFFUSORWAND UND VERFAHREN DAFÜR

Title (fr)
COMPRESSEUR A PAROI DE DIFFUSION AJUSTABLE ET PROCEDE CORRESPONDANT

Publication
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Application
EP 03819091 A 20031112

Priority
GB 0304903 W 20031112

Abstract (en)
[origin: WO2005054683A1] A compressor (10) with an adjustable diffuser (30) and an associated method are provided. The diffuser (30) includes an adjustable diffuser wall (36) that can be adjusted relative to an inner surface (34) of the diffuser (30) to change the cross-sectional flow area of the diffuser (30). The adjustable diffuser wall (36) fluidly communicates with a fluid port (40) so that the adjustable diffuser wall (36) is adjusted according to a pressure of control fluid supplied via the port (40). For example, the fluid port (40) can be configured to selectively receive a fluid from a volute (26) of the compressor (10) or an ambient gas.

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