

Title (en)  
COMPRESSOR HOUSING OF A RADIAL COMPRESSOR, AND METHOD FOR FEEDING CHARGE AIR INTO AN INTERNAL COMBUSTION ENGINE

Title (de)  
VERDICHTERGEHÄUSE EINES RADIALVERDICHTERS UND VERFAHREN ZUM ZUFÜHREN VON LADELUFT IN EINE BRENNKRAFTMASCHINE

Title (fr)  
CARTER DE COMPRESSEUR D'UN COMPRESSEUR RADIAL ET PROCÉDÉ POUR AMENER DE L'AIR DE SURALIMENTATION DANS UN MOTEUR À COMBUSTION INTERNE

Publication  
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Application  
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Abstract (en)  
[origin: WO2020169745A1] The invention relates to a compressor housing (10) of a radial compressor. The compressor housing (10) comprises a radially inner housing region (10A) which forms an axial inflow channel (11) in an intake region of the radial compressor (20). The compressor housing (10) also comprises a diffuser region (10B) which adjoins the radially inner housing region (10A). The diffuser region (10B) is designed to deflect a radial flow downstream of a compressor impeller (21) into an axial direction counter to an inflow direction (12) of the inflow channel (11). The compressor housing (10) also comprises a radially outer housing region (10C) which adjoins the diffuser region (10B), extends axially counter to the inflow direction (12) and provides one or more charge air manifolds (13, 14).

IPC 8 full level  
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