

Title (en)
RECIRCULATION STRUCTURE FOR TURBO CHARGERS

Title (de)
REZIRKULATIONSSTRUKTUR FÜR TURBOVERDICHTER

Title (fr)
STRUCTURE DE RECIRCULATION DE TURBOCOMPRESSEURS

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Abstract (en)
[origin: WO03072910A1] The invention relates to a recirculation structure for turbo chargers, comprising an annular chamber (29) bordering on the main flow channel (9) arranged in the region of the free blade ends of the blade ring to a large extent upstream therefrom, and comprising a plurality of guiding elements (37) which are arranged in the annular chamber, distributed along the periphery thereof, being formed and disposed in a favourable flow position in relation to the recirculation flow. Said guiding elements (37) are provided with recesses in the front or rear region of the annular chamber (29). The side of the annular chamber (29) bordering on the contour of the main flow channel (9) is open along the axial length and entire periphery thereof. The free edges (41) of the guide elements (37) are located on or near to the contour of the main flow channel (9).

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