

Title (en)
RECIRCULATION STRUCTURE FOR TURBO CHARGERS

Title (de)
REZIRKULATIONSSTRUKTUR FÜR TURBOVERDICHTER

Title (fr)
STRUCTURE DE RECIRCULATION DE TURBOCOMPRESSEURS

Publication
EP 1478828 B1 20061220 (DE)

Application
EP 03718608 A 20030226

Priority
• DE 0300623 W 20030226
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• ZA 200201688 A 20020228

Abstract (en)
[origin: US6935833B2] Recirculation structure for turbocompressors, having a ring chamber which is arranged in the area of the free blade ends of a blade ring largely upstream of the latter and adjoins the main flow duct. A plurality of guiding elements are arranged in the ring chamber distributed over its circumference and are arranged and shaped in a fluidically advantageous manner with respect to the recirculation flow, with recesses provided in the leading and/or trailing area of the ring chamber. The side of the ring chamber which adjoins the contour of the main flow duct is open along its axial length as well as along its entire circumference, the free edges of the guiding elements being situated on the or close to the contour of the main flow duct.

IPC 8 full level
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CPC (source: EP US)
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WO 03072910 A1 20030904; AT E348943 T1 20070115; AU 2003222718 A1 20030909; CA 2495186 A1 20030904; CA 2495186 C 20100427; CN 100395432 C 20080618; CN 1646790 A 20050727; DE 10390754 D2 20050512; DE 50306028 D1 20070201; EP 1478828 A1 20041124; EP 1478828 B1 20061220; JP 2006505730 A 20060216; JP 4527403 B2 20100818; RU 2004129277 A 20050827; RU 2293221 C2 20070210; UA 76596 C2 20060815; US 2004156714 A1 20040812; US 6935833 B2 20050830

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