

Title (en)
Turbo compressor

Title (de)
Turboverdichter

Title (fr)
Turbo-compresseur

Publication
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Application
EP 00810275 A 20000331

Priority
• EP 00810275 A 20000331
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Abstract (en)
[origin: CA2312085A1] The turbocompressor (1) comprises an outwardly gas-tight housing (6) within which an electric motor (2) and also a multistage radial turbocompressor (3) are arranged on a common shaft (13) wherein, for the journalling of the shaft (13), electromagnetic radial bearings (5) are arranged spaced apart in the direction of its extent and wherein a gas seal (19) surrounding the shaft (13) is arranged between the electric motor (2) and the radial turbocompressor (3) in order to seal off the electric motor (2) with respect to the radial turbocompressor (3), wherein the electric motor (2) has an inner space (9b, 9c) which is connected in fluid conducting manner to an outlet opening (6h; 21) which passes through the housing.

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