

Title (en)
COMPRESSOR

Title (de)
VERDICHTER

Title (fr)
COMPRESSEUR

Publication
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Application
EP 95907077 A 19950131

Priority
• GB 9500193 W 19950131
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Abstract (en)
[origin: WO9524563A1] The compressor (101) has a driven rotatable shaft (2a, 2b, 7) carrying an impeller rotor stage (4, 5) arranged such that a thrust bearing (210a, 210b) acts directly on the impeller rotor stage (4, 5). Overheating of the bearing (210a, 210b) is thereby inhibited because heat generated at the bearing is transferred via the impeller stage (4, 5) to the working gas. As a preference, or alternatively, at least a portion of the shaft (2a, 2b, 7) is hollow to improve inertial characteristics and aid in bearing cooling.

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IPC 8 full level
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