

Title (en)
TURBOMACHINE HAVING A TEMPERATURE-CONTROLLED COVER

Title (de)
STRÖMUNGSMASCHINE MIT TEMPERIERTEM DECKEL

Title (fr)
TURBOMACHINE AVEC CHAPEAU DE CARTER ÉQUILIBRÉ EN TEMPÉRATURE

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Application
EP 13708721 A 20130227

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Abstract (en)
[origin: WO2013127837A1] The invention relates to a turbomachine (2), comprising a lower housing part (4), an assembly (6) inserted into the lower housing part from above, comprising two opposite housing covers (12) and a rotor (14) having a shaft (16), the rotor being fed through both housing covers, and an upper housing part (8) that encloses the assembly from above and is fastened to the lower housing part. A shaft seal is arranged between the cover (12) and the shaft (16). According to the invention, in order to maintain good function of the shaft seal during operation using cold or hot gases, at least one of the covers (12) has a temperature-control means (28) guided around the shaft (16), having a first and a second temperature-control channel (32, 34), for controlling the temperature of the lid in the area around the shaft (16).

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