

Title (en)

TURBOMACHINE AND PROCESS FOR COOLING A TURBOMACHINE

Title (de)

TURBOMASCHINE SOWIE VERFAHREN ZUR KÜHLUNG EINER TURBOMASCHINE

Title (fr)

TURBOMACHINE ET PROCEDE DE REFROIDISSEMENT D'UNE TURBOMACHINE

Publication

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Application

EP 97928113 A 19970609

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Abstract (en)

[origin: US6048169A] A turbine shaft extends along a principal axis and has an outer surface. The turbine shaft is formed by a plurality of cylindrical shaft segments which are disposed axially one behind the other and are braced together by a bracing element. An axial gap which is formed between the bracing element and at least one shaft segment is connected in terms of flow to two axially spaced radial passages. The radial passages each open at the outer surface of the turbine shaft. A method for cooling a turbine shaft is also provided.

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