

Title (en)

Thermal barrier for turbine rotor

Title (de)

Wärmedämmung für einen Turbinenrotor

Title (fr)

Barrière thermique pour rotor de turbine

Publication

EP 0799971 A3 19990707 (DE)

Application

EP 97810142 A 19970313

Priority

DE 19613472 A 19960404

Abstract (en)

[origin: EP0799971A2] The compressor rotor (5) has one or more rotating chambers (13) near its surface. The chambers are connected to the flow channel (15) via a gap (14), and located between the rotor blade rows. Each chamber has a circular cross-sectional surface. The axial extend (d) of the chamber is of approximately the same size as the axial distance (s) between two neighbouring chambers.

IPC 1-7

F01D 5/08

IPC 8 full level

F01D 5/08 (2006.01)

CPC (source: EP)

F01D 5/08 (2013.01)

Citation (search report)

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- [Y] DE 4324034 A1 19950119 - ABB MANAGEMENT AG [CH]
- [Y] US 2848193 A 19580819 - SELLS BERT E, et al
- [A] US 2858103 A 19581028 - WAUGH RAYMOND G H

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Designated contracting state (EPC)

DE FR IT

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EP 0799971 A2 19971008; EP 0799971 A3 19990707; EP 0799971 B1 20021113; DE 19613472 A1 19971009; DE 59708687 D1 20021219

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