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71 Applicant: **WESTINGHOUSE ELECTRIC CORPORATION**
Westinghouse Building Gateway Center
Pittsburgh Pennsylvania 15235(US)

72 Inventor: **Holden, Paul Clarence**
137 Hunt Club Lane
Newtown Square Pennsylvania 19073(US)

74 Representative: **van Berlyn, Ronald Gilbert**
23, Centre Heights
London, NW3 6JG(GB)

54 **Improved coolant passage structure for rotor blades in a combustion turbine.**

57 A combustion turbine rotor blade is provided with an airfoil portion having a plurality of coolant holes extending radially outwardly therethrough. The coolant holes are tapered to a smaller flow cross-section in the radially outward direction to produce more uniform cooling action over the length of the holes over which tapering is provided.

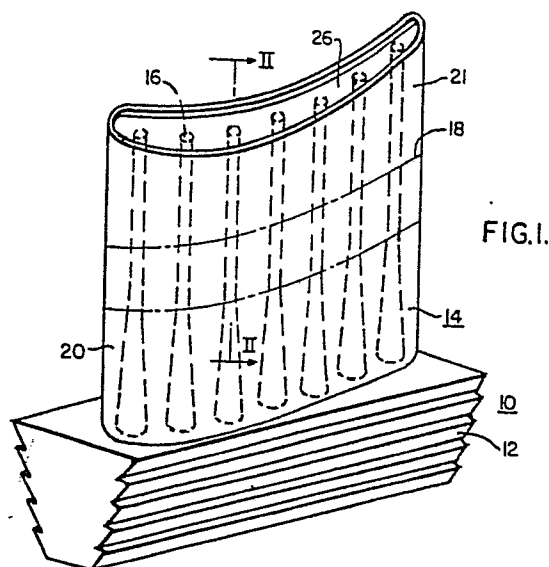


FIG. 1.



European Patent
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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
X	US-A-3 301 528 (MALLEY) * Column 1, lines 25-41,64-72; column 2, lines 1-4,12-15; claims 1-6; figures 1,2 * -----	1-6	F 01 D 5/18
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			F 01 D
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 30-06-1988	Examiner CRIADO Y JIMENEZ F.A.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			