

Title (en)
CONNECTION AND SEALING OF STATOR BLADE SECTIONS OF A TURBINE

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EP 0140736 B1 19870107 (FR)

Application
EP 84401766 A 19840906

Priority
FR 8314974 A 19830921

Abstract (en)
[origin: US4623298A] An improved guide vane shroud sealing device is disclosed wherein the shroud is formed from a plurality of segments, each segment having interengaging, "Z" shaped edges. The "Z" edges each have a mid-portion extending parallel to the rotational plane of a rotor blade wheel, and leading and trailing edge portions extending from this mid-portion to the leading and trailing edges of the shroud segments. A honeycomb packing structure seals the inner surface of the guide vane shroud in conjunction with labyrinth sealing fins on the rotor wheel. The honeycomb structure is oriented such that opposite sides of each cell which are joined to adjacent cells extend at an angle of approximately 60 DEG to the rotational plane of the rotor blade wheel.

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F01D 5/225 (2013.01 - EP US); **F01D 11/12** (2013.01 - EP US)

Cited by
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