

Title (en)

Swirl cooled rotor welding seam

Title (de)

Drallgekühlte Rotor-Schweissnaht

Title (fr)

Rotor avec cordon de soudure refroidi par tourbillon

Publication

EP 1895094 B1 20100929 (DE)

Application

EP 06017817 A 20060825

Priority

EP 06017817 A 20060825

Abstract (en)

[origin: EP1895094A1] The turbo machine has a rotor rotatably supported within a housing, where the rotor is formed of two partial rotors that are welded with one another to form a welding area. A cover strap (6) and spin bores (12) are provided for cooling the welding area, and a guide vane row with guide vanes (7) formed with the cover straps. The cover strap is designed with the spin bores for guiding flowing medium, which flows through the turbo machine during operation on the welding area. One of the partial rotor is formed from a chrome material.

IPC 8 full level

F01D 5/06 (2006.01); **F01D 5/08** (2006.01)

CPC (source: EP)

F01D 5/063 (2013.01); **F01D 5/084** (2013.01); **F01D 11/001** (2013.01); **F01D 11/02** (2013.01); **F05D 2230/232** (2013.01); **F05D 2240/10** (2013.01); **F05D 2260/201** (2013.01); **F05D 2260/221** (2013.01)

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