

Title (en)

Aerodynamically damping vibrations in a rotor stage of a turbomachine

Title (de)

Aerodynamische Schwingungsdämpfung in einer Rotorstufe einer Turbomaschine

Title (fr)

Amortisation aerodynamique des vibrations dans un étage rotorique d'une turbomachine

Publication

EP 0921274 A2 19990609 (EN)

Application

EP 98309906 A 19981203

Priority

US 98440097 A 19971203

Abstract (en)

A rotor stage for a gas turbine engine is provided which includes a rotor disk (34) and a plurality of rotor blades (36). The rotor blades extend radially outward from the outer radial surface of the disk, and are separated from one another by a distance (D). The distance is selectively varied to increase aerodynamic damping of the rotor blades. <IMAGE>

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F01D 5/10

IPC 8 full level

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CPC (source: EP)

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Cited by

US7367775B2; EP1555440A3; CN102454425A; US20120999961A1; US8678752B2; US20120999996A1; US2020378400A1; US11578729B2; US2023235680A1; WO2004111393A1; US7651316B2; EP1555440A2

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