

Title (en)

Nozzle segment for turbine system

Title (de)

Leitschaufelsegment für Turbinensystem

Title (fr)

Segment statorique pour système de turbine

Publication

EP 2690255 A2 20140129 (EN)

Application

EP 13177215 A 20130719

Priority

US 201213555417 A 20120723

Abstract (en)

A nozzle (24) for a turbine system (10) is disclosed. The nozzle (24) includes an airfoil (40), an inner sidewall (42), and an outer sidewall (44). The airfoil (40) includes exterior surface defining a pressure side (52) and a suction side (54) extending between a leading edge (56) and a trailing edge (58). The airfoil further defines a tip (62) and a root. The inner sidewall (44) is connected to the airfoil (40) at the tip (62). The outer sidewall (44) is connected to the airfoil (40) at the root. The inner sidewall (42) and outer sidewall (44) each includes a peripheral edge (70,80) defining a pressure side slash face (72,82), a suction side slash face (74,84), a leading edge face (76,86), and a trailing edge face (78,88). At least one of the inner sidewall pressure side slash face (72), the inner sidewall suction side slash face (74), the outer sidewall pressure side slash face (82), or the outer sidewall suction side slash face (84) has a generally curvilinear profile.

IPC 8 full level

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CPC (source: EP US)

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