

Title (en)

Integrated nozzle and bucket wheel for a reaction steam turbine and method of manufacture

Title (de)

Leitschaufelrad einer Reaktionsdampfturbine sowie Verfahren zu dessen Herstellung

Title (fr)

Couronne d'aubes directrices d'une turbine à vapeur à réaction et procédé de production

Publication

EP 1767745 A2 20070328 (EN)

Application

EP 06254839 A 20060918

Priority

US 23305705 A 20050923

Abstract (en)

Integrated nozzle and bucket wheels (10, 44) for turbine stator and rotor components, respectively, include a three hundred sixty degree wheel formed from a single piece of stock material. The nozzle wheels (10) include radially inner portions formed to include a plurality of airfoils (16), while the bucket wheels are each formed to include a plurality of buckets (54). The nozzle and bucket wheels may be split into plural arcuate segments.

IPC 8 full level

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CPC (source: EP US)

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