Title (en)

CABLE-STAYED ROTOR FOR WIND AND WATER TURBINES

Title (de)

SCHRÄGSEILROTOR FÜR WIND- UND WASSERTURBINEN

Title (fr)

ROTOR HAUBANÉ À CÂBLES POUR TURBINE HYDRAULIQUE ET ÉOLIENNE

Publication

EP 2344757 A2 20110720 (EN)

Application

EP 09748474 A 20091022

Priority

- IB 2009007189 W 20091022
- US 19724708 P 20081024

Abstract (en)

[origin: WO2010046760A2] A rotor system for a fluid-flow turbine comprises a hub assembly (6) which is mounted on a shaft coupled with a power-transmitting device, and a plurality of rotor blades, each of which comprises an inner blade section (8, 10, 12, 14, 16), a collar (9, 11, 13, 15, 17) and an outer blade section (50, 52, 54, 56, 58). The inner blade section (8, 10, 12, 14, 16) is rotatably supported by and extends outward from the hub assembly (6) to its respective collar (9, 11, 13, 15, 17), wherein the outer blade section (50, 52, 54, 56, 58) extends outward from a respective one of the collars (9, 11, 13, 15, 17). The inner blade section (8, 10, 12, 14, 16) and the outer blade section (50, 52, 54, 56, 58) are rotatable.

IPC 8 full level

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CPC (source: EP US)

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