

Title (en)
POWER-TRANSDUCER/CONVERSION SYSTEM AND RELATED METHODOLOGY

Title (de)
KRAFTÜBERTRAGUNGSSYSTEM

Title (fr)
SYSTEME DE TRANSDUCTION/CONVERSION DE PUISSANCE ET PROCEDES ASSOCIES

Publication
EP 1208301 A4 20021030 (EN)

Application
EP 99928716 A 19990616

Priority
US 9913580 W 19990616

Abstract (en)
[origin: WO0077914A2] A system and method (several variations) for interconverting moving fluid power and electrical power, involving, in one embodiment, an aerodynamic rotor integrated with an electrical rotor without an interconnecting rotating shaft, where the aerodynamic rotor can either take the form of (a) a selected style (several discussed herein) hoop-type rotor or (b) a fan-blade-type rotor, and in another embodiment, a hoop-like aerodynamic rotor coupled directly to the rotor in an electrical generator through a rotating shaft.
[origin: WO0077914A2] A system (60) and method for interconverting moving fluid power and electrical power, involving an aerodynamic rotor (61), integrated with an electrical rotor (62) without an interconnecting shaft, where the aerodynamic rotor (61) can either take the form of a selected style hoop-type rotor, a fan-blade-type rotor or a hoop-like aerodynamic rotor coupled directly to the rotor (62) in an electrical generator (60) through a rotating shaft.

IPC 1-7
F03D 9/00; **H02K 7/18**; **F03D 7/02**

IPC 8 full level
F03D 9/00 (2006.01); **B60K 8/00** (2006.01); **F03D 1/04** (2006.01); **F03D 1/06** (2006.01); **H02K 7/18** (2006.01); **H02P 9/00** (2006.01)

CPC (source: EP)
F03D 1/0608 (2013.01); **H02K 7/183** (2013.01); **F05B 2270/1016** (2013.01); **Y02E 10/72** (2013.01)

Citation (search report)
• [XY] EP 0045264 A2 19820203 - MEGATEC IND [FR]
• [XY] EP 0864748 A1 19980916 - JEUMONT IND [FR], et al
• [YD] US 5425619 A 19950620 - AYLOR ELMO E [US]
• [XY] EP 0462724 A1 19911227 - GEN ELECTRIC [US]
• [X] US 5289042 A 19940222 - LIS EDWARD [US]
• See references of WO 0077914A2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 0077914 A2 20001221; **WO 0077914 A3 20010412**; AU 4571599 A 20010102; EP 1208301 A2 20020529; EP 1208301 A4 20021030; JP 2003502562 A 20030121; JP 4611586 B2 20110112

DOCDB simple family (application)
US 9913580 W 19990616; AU 4571599 A 19990616; EP 99928716 A 19990616; JP 2001504064 A 19990616