

Title (en)
HIGH EFFICIENCY TURBINE

Title (de)
TURBINE MIT HOHEM WIRKUNGSGRAD

Title (fr)
TURBINE À HAUT RENDEMENT

Publication
EP 2340199 A4 20140115 (EN)

Application
EP 09817029 A 20090929

Priority

- US 2009058750 W 20090929
- US 19672108 P 20080929
- US 19671208 P 20080929

Abstract (en)
[origin: WO2010037087A1] Provided is a turbine having a first impingement-type turbine portion and a second impingement-type turbine portion integrated into a rotatable disk, wherein the first impulse-type turbine portion has a plurality chutes and a high contact surface for contacting a working fluid and wherein the second impingement-type turbine portion has a plurality of ducts in an upstream rotor and a plurality of vanes in downstream rotor.

IPC 8 full level
B63H 1/16 (2006.01); **B63H 21/16** (2006.01); **B64C 11/00** (2006.01); **B64C 27/20** (2006.01); **F01D 1/34** (2006.01); **F01D 5/22** (2006.01); **F03B 1/00** (2006.01); **F03D 1/06** (2006.01); **F03D 11/00** (2006.01)

CPC (source: EP US)
F03B 1/00 (2013.01 - EP US); **F03D 1/0608** (2013.01 - EP US); **B63H 21/16** (2013.01 - EP US); **F01D 1/026** (2013.01 - EP US); **F05B 2210/16** (2013.01 - EP US); **F05B 2240/241** (2013.01 - EP US); **Y02E 10/20** (2013.01 - EP US); **Y02E 10/72** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

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WO 2010037087 A1 20100401; AU 2009296200 A1 20100401; AU 2009296200 B2 20140731; CA 2738797 A1 20100401; CA 2738797 C 20140422; CN 102196961 A 20110921; CN 102196961 B 20140917; EP 2340199 A1 20110706; EP 2340199 A4 20140115; HK 1162422 A1 20120831; US 2011194936 A1 20110811

DOCDB simple family (application)
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