

Title (en)

SPIRAL SCREW FLUID TURBINE HAVING AXIAL VOID

Title (de)

SPIRALSCHRAUBENFLÜSSIGKEITSTURBINE MIT AXIALEM HOHLRAUM

Title (fr)

TURBINE À FLUIDE À VIS EN SPIRALE DOTÉE D'UN VIDE AXIAL

Publication

**EP 2909475 A1 20150826 (EN)**

Application

**EP 13800550 A 20130607**

Priority

- US 201261656851 P 20120607
- US 2013044770 W 20130607

Abstract (en)

[origin: WO2013185068A1] A spiral turbine includes an axle configured to rotate and one or more spiral blades coupled to the axle by one or more support connections. Each spiral blade is formed around and outside of a conical inner space which is coaxial with the axle. For configurations in which two or more spiral blades are included, the blades may be symmetrically disposed around the axle.

IPC 8 full level

**F03D 1/06** (2006.01); **F03B 17/06** (2006.01)

CPC (source: CN EP US)

**F01D 5/023** (2013.01 - US); **F03B 17/061** (2013.01 - CN EP US); **F03D 1/0608** (2013.01 - CN EP US); **F05B 2210/16** (2013.01 - EP US); **F05B 2240/40** (2013.01 - EP US); **F05B 2250/15** (2013.01 - CN EP US); **F05B 2250/232** (2013.01 - CN EP US); **Y02E 10/20** (2013.01 - CN US); **Y02E 10/30** (2013.01 - EP); **Y02E 10/72** (2013.01 - CN EP US)

Cited by

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AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2013185068 A1 20131212**; AU 2013271391 A1 20150129; CN 104520579 A 20150415; EP 2909475 A1 20150826; EP 2909475 A4 20160803; US 2013343891 A1 20131226

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