

Title (en)
FLUID TURBINE

Title (de)
FLÜSSIGKEITSTURBINE

Title (fr)
TURBINE À FLUIDE

Publication
EP 2529107 A4 20150114 (EN)

Application
EP 11737748 A 20110128

Priority

- US 74995110 A 20100330
- US 29920610 P 20100128
- US 79393110 A 20100604
- US 74934110 A 20100329
- US 82869810 A 20100701
- US 2011022962 W 20110128

Abstract (en)
[origin: WO2011094569A1] A fluid turbine comprises a turbine shroud, an ejector shroud, and a means for extracting energy from a fluid stream. The means for extracting energy is located in the annulus between the turbine shroud and the ejector shroud. High- energy fluid can flow through the turbine shroud to bypass the means for extracting energy. Energy is extracted from the fluid passing through the means to form a low-energy fluid stream. The high-energy fluid and the low-energy fluid can then be mixed. The turbine shroud and/or the ejector shroud has mixing lobes to increase the mixing of the two fluid streams.

IPC 8 full level
F03D 1/04 (2006.01)

CPC (source: EP US)
F03D 1/04 (2013.01 - EP US); **F05B 2210/30** (2013.01 - EP); **F05B 2220/7066** (2013.01 - EP); **F05B 2240/132** (2013.01 - EP); **F05B 2240/133** (2013.01 - EP); **Y02E 10/72** (2013.01 - EP)

Citation (search report)

- [XYI] WO 2009129420 A1 20091022 - FLODESIGN INC [US], et al
- [Y] WO 2009129309 A2 20091022 - SONIC BLUE AEROSPACE INC [US], et al
- [A] US 2009214338 A1 20090827 - WERLE MICHAEL J [US], et al
- [A] US 5464320 A 19951107 - FINNEY CLIFTON D [US]
- See references of WO 2011094569A1

Designated contracting state (EPC)
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

DOCDB simple family (publication)
WO 2011094569 A1 20110804; EP 2529107 A1 20121205; EP 2529107 A4 20150114

DOCDB simple family (application)
US 2011022962 W 20110128; EP 11737748 A 20110128