

Title (en)
HYDROELECTRIC DEVICES PRINCIPALLY FOR USE IN RECIRCULATING FLUID SYSTEMS OF VESSELS SUCH AS SWIMMING POOLS AND SPAS

Title (de)
HYDROELEKTRISCHE VORRICHTUNGEN, INSBESONDERE DIE VERWENDUNG IN FLUIDRÜCKFÜHRUNGSSYSTEMEN VON BEHÄLTERN WIE SCHWIMMBECKEN UND SPAS

Title (fr)
DISPOSITIFS HYDROÉLECTRIQUES DESTINÉS PRINCIPALEMENT AUX SYSTÈMES À RECIRCULATION DE FLUIDE DE BASSINS TELS QUE PISCINES ET BAINS À REMOUS

Publication
EP 2633138 A1 20130904 (EN)

Application
EP 11761758 A 20110915

Priority
• US 40658910 P 20101026
• US 2011051683 W 20110915

Abstract (en)
[origin: WO2012057930A1] Fitting (88) for a pool or spa system, comprising a hydroelectric generator (30) therein and pool lights (92) associated with said fitting; method of supplying energy to a light system (92) integral with a pool or spa fitting (88) comprising a generator system (30) integral with the fitting (88), the water circulating through the generator (30) providing the electricity to the light system (92).

IPC 8 full level
E04H 4/12 (2006.01); **E04H 4/14** (2006.01); **F21S 8/00** (2006.01); **F21S 9/04** (2006.01)

CPC (source: EP US)
E04H 4/129 (2013.01 - EP US); **E04H 4/148** (2013.01 - EP US); **F21S 8/03** (2013.01 - EP US); **F21S 9/04** (2013.01 - EP US); **A61H 33/005** (2013.01 - EP US); **A61H 2033/0083** (2013.01 - EP US); **A61H 2201/0278** (2013.01 - EP US); **F21W 2131/401** (2013.01 - EP US); **F21Y 2115/10** (2016.07 - EP US)

Citation (search report)
See references of WO 2012057930A1

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 2012057930 A1 20120503; AU 2011320874 A1 20130530; EP 2633138 A1 20130904; US 2012110727 A1 20120510; ZA 201303540 B 20140129

DOCDB simple family (application)
US 2011051683 W 20110915; AU 2011320874 A 20110915; EP 11761758 A 20110915; US 201113233132 A 20110915; ZA 201303540 A 20130515