

Title (en)

SYNERGIC METHOD FOR HYDRODYNAMIC ENERGY GENERATION WITH NEUTRALIZED HEAD PRESSURE PUMP

Title (de)

SYNERGISTISCHES VERFAHREN ZUR HYDRODYNAMISCHEN ENERGIEERZEUGUNG MIT DRUCKPUMPE MIT NEUTRALISIERTEM KOPF

Title (fr)

PROCÉDÉ SYNERGIQUE DE GÉNÉRATION D'ÉNERGIE HYDRODYNAMIQUE AU MOYEN DE POMPE DE REFOULEMENT NEUTRALISÉE

Publication

EP 3193009 A1 20170719 (EN)

Application

EP 17151266 A 20170112

Priority

- US 201614993945 A 20160112
- US 2017012090 W 20170104

Abstract (en)

A synergic method for hydrodynamic energy generation includes providing a system and method utilization for producing electrical power or mechanical rotational pumping energy for pumping water to high level reservoir or to feeding a decorative water fall, providing a multi compartment housing, pumping water via the housing, providing a first vertically aligned compartment within or beside the housing, mechanically coupling a first water wheel, situated at the bottom of first compartment, to pump shaft, generating by the first wheel mechanical rotational power, providing a second vertically aligned compartment mechanically coupling a second water wheel to a generator, generating electrical or mechanical rotational power, by the generator, providing a third vertically aligned compartment providing a fourth compartment, a pump or external jet for removing water from the fourth compartment, utilizing energy and conductively coupling the hydrodynamic energy generation system with the external power source via a coupling.

IPC 8 full level

F03B 17/00 (2006.01)

CPC (source: EP)

F03B 17/005 (2013.01)

Citation (search report)

- [X] US 2016003089 A1 20160107 - HANNA IBRAHIM [US]
- [A] US 2013089410 A1 20130411 - AZAR CHRIS ESSA [US]
- [A] US 2009058092 A1 20090305 - CHEN CHUN-SHAN [TW]
- [A] WO 2013124696 A2 20130829 - POURNARAS LAZAROS [GR], et al
- [A] EP 1650430 A1 20060426 - DE WIJNGAERT ACHILLE ANDRE [BE]

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

Designated extension state (EPC)

BA ME

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