

(12) 按照专利合作条约所公布的国际申请

(19) 世界知识产权组织
国际局

(43) 国际公布日
2023 年 7 月 20 日 (20.07.2023)



(10) 国际公布号
WO 2023/134621 A1

- (51) 国际专利分类号:
F03B 1/04 (2006.01) *F03B 13/00* (2006.01)
F03B 1/00 (2006.01)
- (21) 国际申请号: PCT/CN2023/071299
- (22) 国际申请日: 2023 年 1 月 9 日 (09.01.2023)
- (25) 申请语言: 中文
- (26) 公布语言: 中文
- (30) 优先权:
202210038117.3 2022 年 1 月 13 日 (13.01.2022) CN
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- (81) 指定国 (除另有指明, 要求每一种可提供的国家保护): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW。
- (84) 指定国 (除另有指明, 要求每一种可提供的地区保护): ARIPO (BW, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), 欧亚 (AM, AZ, BY, KG, KZ, RU, TJ, TM), 欧洲 (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR,

(54) Title: HYDRODYNAMIC RECOVERY SYSTEM

(54) 发明名称: 一种水动力回收系统

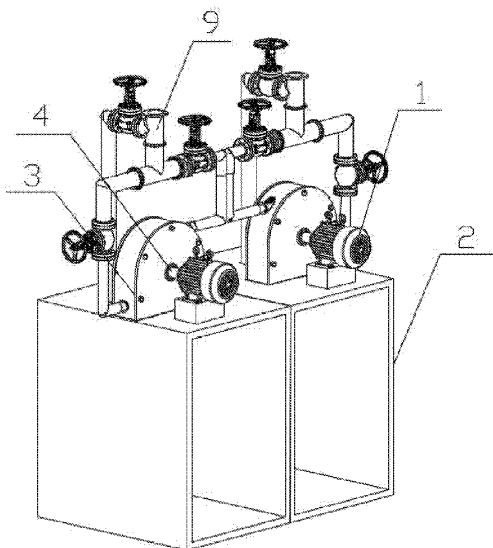


图2

(57) Abstract: A hydrodynamic recovery system, relating to the technical field of hydroelectric power, and comprising a water wheel device, a power generation device, and a rooftop water tank (2). The water wheel device and the power generation device are both provided at the top of the rooftop water tank (2); a water inlet (21) is provided at the top of the rooftop water tank (2); the water wheel device comprises a water wheel box (3), a water wheel (5), high-pressure nozzles (6), and a water wheel rotating shaft (4); the water wheel box (3) is provided above the water inlet (21); a water outlet is provided at the bottom of the water wheel box (3); the water wheel (5) is provided inside the water wheel box (3); the water wheel rotating shaft (4) passes through the water wheel box (3); the part of the water wheel rotating shaft (4) located in the water wheel box (3) is connected to the water wheel (5), and one end of the water wheel rotating shaft (4) extending out of the water wheel box (3) is transmittingly connected to an input shaft of the power generation device; the high-pressure nozzles (6) are fixedly provided on the side wall of the water wheel box (3). The hydrodynamic recovery system has the advantages of small put resources, short installation and debugging time, and slight influence on the environment, recovers the energy which

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HU, IE, IS, IT, LT, LU, LV, MC, ME, MK, MT, NL, NO,
PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF,
CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN,
TD, TG)。

本国际公布：

- 包括国际检索报告(条约第21条(3))。
- 包括经修改的权利要求(条约第19条(1))。

is originally necessary to be used, collects the recycled energy to be supplied to mansions or sold to a power grid, provides green energy, and reduces carbon emission.

(57) 摘要：一种水动力回收系统，涉及水力发电技术领域。包括水轮装置、发电装置和天台水缸(2)，水轮装置和发电装置均设置于天台水缸(2)顶部，天台水缸(2)顶部设置进水口(21)，水轮装置包括水轮箱(3)、水轮(5)、高压喷嘴(6)和水轮旋转轴(4)，水轮箱(3)设置于所述进水口(21)上方，水轮箱(3)底部设置出水口(1)，水轮(5)设置于水轮箱(3)内部，水轮旋转轴(4)贯穿水轮箱(3)，水轮旋转轴(4)位于水轮箱(3)内的部分与水轮(5)连接，伸出水轮箱(3)外的一端与发电装置的输入轴传动连接，高压喷嘴(6)固定设置于水轮箱(3)侧壁上。水动力回收系统，投放资源小，安装调试时间短，对环境影响轻微，回收原来必须使用的能量，将回收的能量集腋成裘供应大厦使用或售卖给电网，提供绿色能源，减少碳排放。