

Title (en)
WEIR SYSTEM

Title (de)
WEHRANLAGE

Title (fr)
SYSTÈME DE BARRAGE

Publication
EP 3884149 A1 20210929 (DE)

Application
EP 19798525 A 20191025

Priority
• AT 602112018 A 20181122
• AT 2019060355 W 20191025

Abstract (en)
[origin: WO2020102835A1] The invention relates to a weir system comprising a weir (1), a free jet turbine (7) which is arranged downstream of the weir (1) in the flow direction, can be adjusted vertically, and is arranged below an overflow ramp (24), and at least one lower turbine feed (8) which comprises a nozzle-like guide device that is oriented towards the turbine rotor (16). In order to achieve advantageous structural conditions, the turbine blades (19) which run between two end walls (20) in an arrow-shaped manner have two blade sections (22) which start from the end walls (20), are inclined relative to each other, are symmetrical with respect to a central plane (21) between the end walls (20), and continuously transition into each other.

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