

Title (en)

APPARATUS AND METHOD FOR GENERATING AN ARTIFICIAL SURF WAVE

Title (de)

VORRICHTUNG UND VERFAHREN ZUM ERZEUGEN EINER KÜNSTLICHEN SURFWELLE

Title (fr)

DISPOSITIF ET PROCÉDÉ PERMETTANT DE PRODUIRE UNE VAGUE DE SURF ARTIFICIELLE

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Application

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Abstract (en)

[origin: WO2021146761A1] The invention relates to an apparatus (1) for generating an artificial surf wave (W), having a ramp (3), the lower end (5) of which leads into a wave basin (4), and to the upper end (9) of which water (2) can be fed in circulated fashion from the wave basin (4) via a return channel (8) by means of a pumping device (10) in order, downstream of the ramp (3), to generate a hydraulic jump, which can be used as surf wave (W), of the water (2), wherein the wave basin (4) has arranged therein, at a distance from the ramp (3), a movable barrier (21) which can assume the function of a lowerable weir or of a check valve which can be passed through in a downstream direction and which blocks in an upstream direction, and downstream of which barrier (21) the return channel (8) emanates from the wave basin (4). The invention also relates to a method for operating this apparatus (1).

IPC 8 full level

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