

Title (en)

SURFACE GRAVITY WAVE GENERATOR AND WAVE POOL

Title (de)

OBERFLÄCHENSCHWERKRAFTWELLENGENERATOR UND WELLENBAD

Title (fr)

GÉNÉRATEUR D'ONDES DE GRAVITÉ DE SURFACE ET PISCINE À VAGUES

Publication

EP 3460145 A1 20190327 (EN)

Application

EP 18196674 A 20130912

Priority

- US 201213612716 A 20120912
- EP 13767191 A 20130912
- US 2013059498 W 20130912

Abstract (en)

A wave pool for generating surfable waves is disclosed. The wave pool includes a pool for containing water. The pool defines a channel having a first side wall, a second side wall, and a bottom with a contour that slopes upward from a deep area proximate the first side wall toward a sill defined by the second side wall. The wave pool further includes at least one foil at least partially submerged in the water near the side wall, and being adapted for movement by a moving mechanism in a direction along the side wall for generating a wave in the channel that forms a breaking wave on the sill. The wave pool further includes one or more passive flow control mechanisms to mitigate a mean flow of the water induced by the movement of the at least one foil in the direction along the side wall.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [XAY] WO 2010059871 A1 20100527 - KELLY SLATER WAVE CO LLC [US], et al
- [YA] US 6336771 B1 20020108 - HILL KENNETH D [US]

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