

Title (en)

Pneumatic wave-generator for a swimming pool.

Title (de)

Pneumatischer Wellengenerator für Schwimmbad.

Title (fr)

Générateur pneumatique d'ondes pour bassins de natation.

Publication

EP 0343510 A1 19891129 (EN)

Application

EP 89108950 A 19890518

Priority

- US 19769888 A 19880523
- US 19811688 A 19880524

Abstract (en)

A pneumatic wave-generator for a wave pool, comprising a caisson (10) divided into a plurality of wave-generating chambers (14), a ventilator space (20) provided with a powered source of forced air (22), and a system of conduits (24, 26) coupled to an air-directional valve (40) which is capable of effecting forced aspiration and expiration above the water surfaces in the wave-generating chambers (14). The air-directional valve (40) efficiently and selectively directs air into and out of a chamber (14), as desired, provides a seal (62) against the unwanted flow of air, has a reduced number of moving pieces, is mechanically efficient, and has limited wear points.

IPC 1-7

E04H 3/18

IPC 8 full level

E04H 4/00 (2006.01)

CPC (source: EP)

E04H 4/0006 (2013.01)

Citation (search report)

- [X] GB 2149063 A 19850605 - ARMFIELD ENGINEERING LIMITED
- [A] DE 3150912 A1 19830630 - SCHUSTER SIEGFRIED, et al
- [AD] US 4467483 A 19840828 - BASTENHOF DIRK [NL]

Cited by

EP1574637A1; CN107314126A; US2019194963A1; US10526806B2; US10774553B2

Designated contracting state (EPC)

DE ES FR GB IT

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