

Title (en)  
Pneumatic wave generator

Title (de)  
Pneumatischer Wellengenerator

Title (fr)  
Générateur pneumatique de vagues

Publication  
**EP 1574637 A1 20050914 (EN)**

Application  
**EP 04251425 A 20040312**

Priority  
EP 04251425 A 20040312

Abstract (en)  
A pneumatic/hydraulic wave generator for a swimming pool includes a plurality of caissons communicating with the deep end of the pool through a submerged passage. A pneumatic system includes a motor-driven impeller fan housed horizontally within a manifold housing and communicating with duct lines to the caissons through pneumatic valve assemblies. Each valve assembly includes a pendulum sleeve having a butterfly valve mounted therein that is actuated by swinging movement of the sleeve between an open and a closed position. Disposed within an upper air chamber portion of each caisson below an associate caisson valve assembly is a dispersion grate for evenly distributing air from the valve assembly across the upper surface of water disposed within the caisson. <IMAGE>

IPC 1-7  
**E04H 4/00**

IPC 8 full level  
**E04H 4/00** (2006.01)

CPC (source: EP)  
**E04H 4/0006** (2013.01)

Citation (applicant)  
US 4812077 A 19890314 - RAIKE GEORGE W [US]

Citation (search report)  
• [XA] EP 0343510 A1 19891129 - BASTENHOF DIRK  
• [A] FR 2572775 A1 19860509 - BAUDIN CHATEAUNEUF [FR]  
• [E] US 6729799 B1 20040504 - RAIKE GEORGE W [US]

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

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