

Title (en)  
DEVICE FOR WATER TREATMENT IN SWIMMING POOLS AND SPAS

Title (de)  
VORRICHTUNG ZUR WASSERAUFBEREITUNG IN SCHWIMMBECKEN UND THERMALBÄDERN

Title (fr)  
DISPOSITIF DE TRAITEMENT DE L'EAU DANS DES PISCINES ET DES SPAS

Publication  
**EP 4154971 A1 20230329 (EN)**

Application  
**EP 22382869 A 20220920**

Priority  
ES 202130887 A 20210922

Abstract (en)  
Device for water treatment in swimming pools and spas, attachable to a water delivery nozzle for gradual release of water treatment products housed inside porous capsules (4). It comprises a body (1) with two opposite ends. At one end there is a through opening (2) for coupling with the nozzle, and a fastening element (6). At a second end, opposite the first end and separated from it, so that it is separated from the water flow of the discharge nozzle, there is a chamber (3) for housing the capsules (4) of product stacked together, comprising support means (10) for coupling the capsules (4) stacked together, a hinged lid (9) for opening and closing the inside of the chamber (3), and through holes (11) for connecting the inside of the chamber (3) with the outside.

IPC 8 full level  
**B01F 21/20** (2022.01)

CPC (source: EP ES)  
**B01F 21/22** (2022.01 - EP); **B01F 21/4021** (2022.01 - EP); **E04H 4/1281** (2013.01 - ES)

Citation (applicant)  

- US 6162407 A 20001219 - PIHL MART A [CA]
- ES 1149236 U 20160120 - IBANEZ BERNAL RAQUEL [ES], et al
- WO 2020190354 A1 20200924 - KING TECH INC [US]

Citation (search report)  

- [I] US 10618822 B1 20200414 - SMITH-TAYLOR DAMIAN SHAUN [US], et al
- [A] US 2005211613 A1 20050929 - KING JOSEPH A [US]
- [A] US 2017341962 A1 20171130 - WHITE J C [US]

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**EP 4154971 A1 20230329**; ES 2937068 A1 20230323; ES 2937068 B2 20230726

DOCDB simple family (application)  
**EP 22382869 A 20220920**; ES 202130887 A 20210922