

Title (en)  
INSTANTANEOUS INTERACCUMULATOR FOR FLUIDS FOR HUMAN CONSUMPTION AND/OR FLUID FOODSTUFFS

Title (de)  
SOFORTIGER ZWISCHENSAMMLER FÜR FLÜSSIGKEITEN FÜR MENSCHLICHEN VERZEHR UND/ODER FLÜSSIGE NAHRUNGSMITTEL

Title (fr)  
CUMULUS INSTANTANÉ DE LIQUIDES POUR LA CONSOMMATION HUMAINE ET/OU POUR DES LIQUIDES ALIMENTAIRES

Publication  
**EP 4194767 A1 20230614 (EN)**

Application  
**EP 21853172 A 20210728**

Priority  
• ES 202030843 A 20200807  
• ES 2021070575 W 20210728

Abstract (en)  
The present invention discloses a new type of instant water interaccumulator for sanitary or industrial consumption that incorporates an inlet (A) for the fluid to be heated/ cooled at the top of the structure and an outlet (B) for the hot/ cold fluid arranged on a side of the bottom of the structure. Additionally, it comprises an inlet distributor (1) for the fluid to be heated/ cooled and an outlet distributor (2) for the hot/ cold fluid; a purge outlet (3) arranged at the bottom of the structure; a probe outlet (4) arranged at the top of the structure; a plurality of primary fluid inlet and outlet ports (5), arranged on one of the sides of the structure of said interaccumulator; an interaccumulator casing (6) made of any material that supports the physical and chemical characteristics of the primary fluid and is used for both heating and cooling the secondary fluid, and supports the internal and external components; a thermal protector (7) that allows thermal insulation; at least one inner coil (8a); and at least two outer coils (8b), where said coils (8a) and (8b) are corrugated and have the same length.

IPC 8 full level  
**F24H 1/00** (2022.01); **F24D 3/08** (2006.01); **F24D 17/00** (2022.01); **F24H 9/00** (2022.01)

CPC (source: EP ES)  
**F24D 3/08** (2013.01 - ES); **F24D 17/00** (2013.01 - EP ES); **F24H 1/00** (2013.01 - ES); **F24H 1/18** (2013.01 - EP); **F24H 1/52** (2013.01 - EP); **F24H 9/0005** (2013.01 - ES)

Citation (search report)  
See references of WO 2022029353A1

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 4194767 A1 20230614**; ES 2894175 A1 20220211; WO 2022029353 A1 20220210

DOCDB simple family (application)  
**EP 21853172 A 20210728**; ES 202030843 A 20200807; ES 2021070575 W 20210728