

Title (en)  
HEAT EXCHANGER AND COOLING SYSTEM

Title (de)  
WÄRMETAUSCHER UND KÜHLSYSTEM

Title (fr)  
ÉCHANGEUR DE CHALEUR ET SYSTÈME DE RÉFRIGÉRATION

Publication  
**EP 4296599 A1 20231227 (EN)**

Application  
**EP 21718927 A 20210216**

Priority  
ES 2021070110 W 20210216

Abstract (en)  
Heat exchanger (1) for fluids, comprising at least two sets of pipes (10), each set of pipes (10) including an internal pipe (11), an intermediate pipe (12) and an external pipe (13), concentric to each other and forming between them spaces for the longitudinal circulation of fluids, wherein the intermediate pipes (12) are connected in series by means of curved pipes (20), wherein each set of pipes (10) comprises an inner connecting conduit (31) that fluidically connects one end of the internal pipe (11) with an element external to the set of pipes (10) itself, an intermediate connecting conduit (32) that fluidically connects the other end of the internal pipe (11) with the adjacent end of the corresponding external pipe (13), and an outer connecting conduit (33) that fluidically connects the other end of the external pipe (13) with another element external to the set of pipes (10) itself.

IPC 8 full level  
**F28D 7/00** (2006.01); **F28F 9/00** (2006.01)

CPC (source: EP)  
**F28D 7/103** (2013.01); **F28F 9/26** (2013.01); **F28D 2021/0042** (2013.01)

Citation (search report)  
See references of WO 2022175566A1

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Designated extension state (EPC)  
BA ME

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KH MA MD TN

DOCDB simple family (publication)  
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