

Title (en)  
CONCAVE-CONVEX EVAPORATOR

Title (de)  
KONKAV-KONVEXER-VERDAMPFER

Title (fr)  
ÉVAPORATEUR CONCAVE-CONVEXE

Publication  
**EP 4283234 A1 20231129 (EN)**

Application  
**EP 23175208 A 20230524**

Priority

- KR 20220065081 A 20220527
- KR 20220065086 A 20220527

Abstract (en)

In order to improve cooling efficiency, the present disclosure provides a concave-convex evaporator including a first plate bent in a concave-convex shape in which a peak part and a valley part extending in a longitudinal direction are repeatedly alternately formed in a transverse direction, a second plate bent in a concave-convex shape of which one surface is repeatedly alternately formed to face one surface of the first plate, and a spacer part provided between the first plate and the second plate to maintain a separation interval so that a refrigerant flow path is formed.

IPC 8 full level  
**F28D 1/03** (2006.01); **F25B 39/02** (2006.01); **F25C 1/12** (2006.01); **F28F 9/00** (2006.01)

CPC (source: EP US)  
**F25B 39/00** (2013.01 - US); **F25B 39/02** (2013.01 - EP); **F28D 1/035** (2013.01 - EP); **F28D 1/0358** (2013.01 - EP); **F28D 1/0383** (2013.01 - EP); **F28F 9/001** (2013.01 - EP); **F25B 39/024** (2013.01 - US); **F28D 2021/0071** (2013.01 - EP)

Citation (search report)

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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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA

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KH MA MD TN

DOCDB simple family (publication)  
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DOCDB simple family (application)  
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