

Title (en)
A HEAT EXCHANGER ASSEMBLY

Title (de)
WÄRMETAUSCHERANORDNUNG

Title (fr)
ENSEMBLE ÉCHANGEUR THERMIQUE

Publication
EP 4012316 B1 20230628 (EN)

Application
EP 20461592 A 20201211

Priority
EP 20461592 A 20201211

Abstract (en)
[origin: EP4012316A1] An embodiment of the invention herein provides a heat exchanger assembly comprising a heat exchanger and a protection grid. The heat exchanger comprises a plurality of tubes with open ends, a pair of manifolds comprising tanks and headers configured to receive the open ends of the tubes and headers configured to receive the open ends of the tubes. The protection grid mounted on the heat exchanger comprises a first pair of sides parallel to headers and a second pair of sides parallel to the tubes. The protection grid is fixed to the heat exchanger along second sides. The protection grid comprises at least one spacing element on at least one of the first side of the protection grid, which interacts with the heat exchanger to deform the protection grid to a curved profile so that at least a portion of the first edge is spaced away from the heat exchanger.

IPC 8 full level
F28D 1/053 (2006.01); **B60R 19/52** (2006.01); **F28F 9/00** (2006.01); **F28F 19/00** (2006.01)

CPC (source: EP)
F28D 1/0535 (2013.01); **F28F 9/002** (2013.01); **F28F 19/002** (2013.01); **F28F 2265/02** (2013.01); **F28F 2275/08** (2013.01)

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

DOCDB simple family (publication)
EP 4012316 A1 20220615; **EP 4012316 B1 20230628**; WO 2022122306 A1 20220616

DOCDB simple family (application)
EP 20461592 A 20201211; EP 2021081621 W 20211115