

Title (en)  
HEAT EXCHANGER PORT INSERT

Title (de)  
WÄRMETAUSCHERANSCHLUSSEINSATZ

Title (fr)  
PIÈCE RAPPORTÉE D'ORIFICE D'ÉCHANGEUR THERMIQUE

Publication  
**EP 4348149 A1 20240410 (EN)**

Application  
**EP 22728897 A 20220513**

Priority  
• EP 21176433 A 20210528  
• EP 2022063037 W 20220513

Abstract (en)  
[origin: EP4095470A1] A heat exchanger port insert (38, 40) is provided. It comprises a tubular portion (42, 56) and a flange (44) projecting from an outside (52, 58) of the tubular portion (42, 56). The heat exchanger port insert (38, 40) is characterized in that the flange (44) comprises an annular inner portion (46) and a first fastening projection (48) having an outer contour (60). The inner portion (46) comprises an annular inner edge (50) along which the inner portion (46) joins the tubular portion (42, 56). The first fastening projection (48) protrudes from an annular outer edge (54) of the inner portion (46) so as to give the flange (44) a locally increased width at the first fastening projection (48).

IPC 8 full level  
**F28D 9/00** (2006.01); **F28F 3/08** (2006.01); **F28F 9/02** (2006.01)

CPC (source: EP)  
**F28D 9/005** (2013.01); **F28F 3/083** (2013.01); **F28F 9/0248** (2013.01); **F28F 2275/20** (2013.01); **F28F 2275/205** (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

Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**EP 4095470 A1 20221130**; CN 117396717 A 20240112; EP 4348149 A1 20240410; JP 2024520508 A 20240524; WO 2022248251 A1 20221201

DOCDB simple family (application)  
**EP 21176433 A 20210528**; CN 202280038194 A 20220513; EP 2022063037 W 20220513; EP 22728897 A 20220513; JP 2023573247 A 20220513