

Title (en)
HEAT TRANSFER PLATE, GASKET AND CASSETTE

Title (de)
WÄRMEÜBERTRAGUNGSPLATTE, DICHTUNG UND KASSETTE

Title (fr)
PLAQUE DE TRANSFERT DE CHALEUR, JOINT ET CASSETTE

Publication
EP 3926282 A1 20211222 (EN)

Application
EP 20179949 A 20200615

Priority
EP 20179949 A 20200615

Abstract (en)
A heat transfer plate (8), a gasket (84) and a plate cassette (108) are provided. The heat transfer plate (8) comprises an upper end portion (18), a center portion (34) and a lower end portion (26). The upper end portion (18) comprises a first and a second porthole (20, 22) and an upper distribution area (24) and the lower end portion (26) comprises a third and a fourth porthole (18, 20) and a lower distribution area (32). The heat transfer plate (8) further comprises a front gasket groove (52). An upper groove portion (62) of the front gasket groove (52) extends between the second porthole (22) and the upper distribution area (24) and a lower groove portion (64) of the front gasket groove (52) extends between the fourth porthole (30) and the lower distribution area (32). The heat transfer plate (8) is characterized in that a depth of the front gasket groove (52), within the upper and lower groove portions (62, 64), increases, from a first smallest depth (ds1) to a first largest depth (dl1), along a longitudinal extension of the upper and lower groove portions (62, 64) so as to be the first largest depth (dl1) at a largest distance from a longitudinal center axis (LP) of the heat transfer plate (8). The gasket (84) is designed to fit in the front gasket groove (52).

IPC 8 full level
F28D 9/00 (2006.01)

CPC (source: EP)
F28D 9/005 (2013.01); **F28F 3/046** (2013.01); **F28F 3/083** (2013.01); **F28F 3/10** (2013.01); **F28F 2275/205** (2013.01)

Citation (search report)
• [A] WO 2007142592 A1 20071213 - ALFA LAVAL CORP AB [SE], et al
• [A] EP 3001131 A1 20160330 - ALFA LAVAL CORP AB [SE]
• [A] WO 2007142590 A1 20071213 - ALFA LAVAL CORP AB [SE], et al

Cited by
EP4303519A1; EP4375605A1; WO2024110159A1

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

DOCDB simple family (publication)
EP 3926282 A1 20211222

DOCDB simple family (application)
EP 20179949 A 20200615