

Title (en)
A TANK ASSEMBLY

Title (de)
TANKANORDNUNG

Title (fr)
ENSEMBLE RÉSERVOIR

Publication
EP 4317895 A1 20240207 (EN)

Application
EP 22188336 A 20220802

Priority
EP 22188336 A 20220802

Abstract (en)
A tank assembly (100) includes a tank cover (10) and a header (20). The tank cover (10) includes longitudinally extending first channels (10a) and (10b). The header (20) includes portions (20a) and (20b) that in conjunction with the first channels (10a) and (10b) defines a first and a second manifold (30a) and (30b). The header (20) further includes apertures (22a) and (22b) that receive the corresponding first set of tubular elements (42a) and second set of tubular elements (42b). At least one of the tank cover (10) and the header (20) includes an extension portion (10c, 20c) extending therefrom beyond the heat exchanger core (40) to form a connection system. The connection system includes an inlet (50a), an outlet (50b) and fluid flow passages (30c) and (30d) configuring fluid communication between the inlet (50a) and the outlet (50b) and the respective first and second manifolds (30a) and (30b).

IPC 8 full level
F28F 9/02 (2006.01)

CPC (source: EP)
F28D 1/05391 (2013.01); **F28F 9/0204** (2013.01); **F28F 9/0246** (2013.01); **F28F 9/0253** (2013.01); **F28F 2275/04** (2013.01); **F28F 2275/122** (2013.01)

Citation (search report)
• [X] US 2014224461 A1 20140814 - BELLENFANT AURELIE [FR], et al
• [X] WO 2014058181 A1 20140417 - SAMSUNG ELECTRONICS CO LTD [KR]
• [A] US 2019120521 A1 20190425 - DUERR GOTTFRIED [DE], et al
• [A] DE 112019006476 T5 20210909 - HANON SYSTEMS [KR]

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)
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DOCDB simple family (application)
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