

Title (en)
HEAT EXCHANGER

Title (de)
WÄRMETAUSCHER

Title (fr)
ÉCHANGEUR DE CHALEUR

Publication
EP 4015975 A1 20220622 (EN)

Application
EP 20214345 A 20201215

Priority
EP 20214345 A 20201215

Abstract (en)
A heat exchanger for heat exchange between a first fluid and at least one second fluid is provided. The heat exchanger includes first heat exchange elements, second heat exchange elements and a decoupling element. The first heat exchange elements is extended between a first header and a second header for conveying the first fluid, and the second heat exchange elements is extended between a third header and a fourth header for conveying the first fluid. The second heat exchange elements are arranged downstream to the first heat exchange elements with respect to the first fluid flow direction. The second heat exchange elements are fluidly connected in series to the first heat exchange elements. The decoupling element is provided in between the second header and the third header and is adapted to fluidically connect the first heat exchange elements with the second heat exchange elements.

IPC 8 full level
F28F 9/02 (2006.01)

CPC (source: EP)
F02B 29/0412 (2013.01); **F02B 29/0437** (2013.01); **F02B 29/0462** (2013.01); **F28D 7/0091** (2013.01); **F28D 7/1684** (2013.01); **F28F 9/001** (2013.01); **F28F 9/0224** (2013.01); **F28F 9/04** (2013.01); **F28D 2021/0082** (2013.01); **F28F 2275/122** (2013.01)

Citation (search report)
• [X] EP 2628896 A2 20130821 - BEHR GMBH & CO KG [DE]
• [X] EP 3388769 A1 20181017 - HAMILTON SUNDSTRAND CORP [US]
• [X] DE 10351845 A1 20050616 - MTU FRIEDRICHSHAFEN GMBH [DE]
• [X] US 2014000845 A1 20140102 - VANDERWEES DOUG [CA], et al

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)
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