

Title (en)

HEAT SHRINK ASSEMBLY HEAT EXCHANGERS

Title (de)

WÄRMETAUSCHER MIT WÄRMESCHRUMPFANORDNUNG

Title (fr)

ECHANGEURS THERMIQUES A ASSEMBLAGE THERMORETRACTABLE

Publication

EP 4184107 A1 20230524 (EN)

Application

EP 22209062 A 20221123

Priority

US 202117534028 A 20211123

Abstract (en)

A heat exchanger assembly includes a first member (102) defining fluid passages therein for a first heat exchanger fluid. A second member (106) defines fluid passages therein for a second heat exchanger fluid. The second member (106) is engaged to the second member (106) with an interference fit. A method of assembling a heat exchanger includes thermally resizing at least one of a first heat exchanger member and a second heat exchanger member and assembling the second heat exchanger member to the first heat exchanger member. The method includes thermally equalizing the first and second heat exchanger members to engage the second heat exchanger member to the first heat exchanger member with an interference fit.

IPC 8 full level

F28D 7/02 (2006.01)

CPC (source: EP US)

F28D 7/02 (2013.01 - EP); **F28D 7/103** (2013.01 - US); **F28D 7/106** (2013.01 - EP); **F28D 9/0012** (2013.01 - EP); **F28F 1/22** (2013.01 - US); **F28F 3/048** (2013.01 - EP); **F28F 7/02** (2013.01 - US); **F28F 9/18** (2013.01 - US); **F28D 2021/0021** (2013.01 - EP); **F28D 2021/0026** (2013.01 - EP); **F28F 2275/04** (2013.01 - EP US); **F28F 2275/06** (2013.01 - EP); **F28F 2275/127** (2013.01 - EP US)

Citation (search report)

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- [X] DE 102009031465 A1 20110113 - EUGEN GEYER GMBH [DE]
- [X] CN 106574827 A 20170419 - MODINE MFG CO
- [X] US 2020309471 A1 20201001 - HAMADA TAKAFUMI [JP], et al
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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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

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