

Title (en)

MICRO-CHANNEL HEAT EXCHANGER INCLUDING INDEPENDENT HEAT EXCHANGE CIRCUITS AND METHOD

Title (de)

MIKROKANAL-WÄRMETAUSCHER MIT UNABHÄNGIGEN WÄRMETAUSCHERKREISEN UND VERFAHREN

Title (fr)

ÉCHANGEUR DE CHALEUR À MICROCANAUX INCLUANT DES CIRCUITS D'ÉCHANGE DE CHALEUR INDÉPENDANTS ET PROCÉDÉ ASSOCIÉ

Publication

EP 2619520 A2 20130731 (EN)

Application

EP 11764417 A 20110921

Priority

- US 38492110 P 20100921
- US 2011052480 W 20110921

Abstract (en)

[origin: WO2012040281A2] A micro-channel heat exchanger (2) including a first micro-channel heat conduit (4) having a first end section (10) that extends to a second end section (11) through an intermediate section (12). The intermediate section (12) includes a plurality of substantially straight sections (17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28) and a plurality of bend sections (30, 31, 32, 33, 34) that establish a first serpentine path (47). The micro-channel heat exchanger (2) also includes a second micro-channel heat conduit (6) having a first end portion (60) that extends to a second end portion (61) through an intermediate portion (62). The intermediate portion (62) includes a plurality of substantially straight portions (67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78) and a plurality of bend portions (80, 81, 82, 83, 84) that establish a second serpentine path (97). The first serpentine path (47) extends adjacent to the second serpentine path (97) with the plurality of bend portions (80, 81, 82, 83, 84) being interposed between the plurality of bend sections (30, 31, 32, 33, 34).

IPC 8 full level

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Citation (search report)

See references of WO 2012040281A2

Citation (examination)

US 2003178188 A1 20030925 - COLEMAN JOHN W [US]

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