

Title (en)
MULTI-SECTIONAL HEAT EXCHANGER

Title (de)
MEHRTEILIGER WÄRMETAUSCHER

Title (fr)
ECHANGEUR DE CHALEUR À SECTIONS MULTIPLES

Publication
EP 4198436 A1 20230621 (EN)

Application
EP 22214233 A 20221216

Priority
EP 22214233 A 20221216

Abstract (en)
A separating element (10a, 10b) adapted to be positioned in connection to a heat exchanger unit (1, 1a, 1b, 1c) of a sectioned heat exchanger (100) is disclosed. The separating element (10a, 10b) comprises first openings (11a, 11b) adapted to align with first heat exchanger openings (3a, 3b) forming inlets of a first flow path (A) and a second flow path (B), respectively, through the heat exchanger unit (1, 1a, 1b, 1c). The separating element (10a, 10b) further comprises second openings (11c, 11d) adapted to align with second heat exchanger openings (3c, 3d) forming outlets of the first flow path (A) and the second flow path (B), respectively. The first openings (11a, 11b) are formed with first valves (12a, 12b) adapted to close for fluid flow to the first (A) and/or the second (B) flow path through the heat exchanger unit (1, 1a, 1b, 1c), and the second openings (11c, 11d) are formed with second valves (17a, 17b) adapted to close for fluid flow from the first (A) and/or second (B) flow path. The first valves (12a, 12b) are formed with valve stems (13a, 13b), each operated by an actuator (14a, 14b), and the second valves (17a, 17b) are connected to the same valve stems (13a, 13b) as the first valves (12a, 12b), thereby providing coordinated control of the first valves (12a, 12b) and the second valves (17a, 17b).

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Citation (search report)

- [X] US 2022099389 A1 20220331 - FERNANDEZ PEDRO ANGEL [US], et al
- [X] DE 102005017974 A1 20061102 - AUDI AG [DE]
- [A] US 5305826 A 19940426 - COUETOUX HERVE [FR]

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