

Title (en)
HEADER FOR A HEAT EXCHANGER

Title (de)
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Title (fr)
COLLECTEUR POUR ÉCHANGEUR DE CHALEUR

Publication
EP 3258204 A1 20171220 (EN)

Application
EP 17164162 A 20170331

Priority
US 201615185089 A 20160617

Abstract (en)
A heat exchanger (20) having a first core (22) with a first end (40) and a second end (42) and having a first plurality of hot flow channels (48) fluidly isolated from a first plurality of cool flow channels (50). The first plurality of hot flow channels (48) and the first plurality of cool flow channels (50) can be arranged in a first checkerboard pattern. The heat exchanger (20) also having a first header (24) connected to the first end (40) of the first core (22), a first hot flow inlet section (60) connected to the first plurality of hot flow channels (48), and a first curved portion (62) with a first inner hot flow route that is longer than a first outer hot flow route. The first header (24) also having a first cool flow outlet section (70) connected to the first plurality of cool flow channels (50) with the first cool flow outlet section (70) being fluidly isolated from the hot flow inlet section (60).

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CPC (source: EP US)
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Citation (search report)

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