

Title (en)
HEAT EXCHANGER

Publication
EP 0121079 B1 19860129 (DE)

Application
EP 84101903 A 19840223

Priority
DE 3311579 A 19830330

Abstract (en)
[origin: US4524823A] Disclosed is a heat exchanger comprising a plurality of parallel tubes and a plurality of ribs transverse to the tubes, and at least one connecting tank into which the tubes open. To obtain with simple and cost effectively produced means a uniform distribution of the fluid flowing through the heat exchanger over the heat exchanger tubes, the connecting tank has a chamber with a circular cross section and in the connecting tank a distributor installation is arranged which comprises a helical profiled body having an approximately stellate cross section which sealingly abuts with its ribs against the wall of the chamber. The partitions form a plurality of helical channels with one open and one closed end. An orifice is provided in the area of each channel for the passage of the fluid from the connecting tank into the tubes of the heat exchanger.

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IPC 8 full level
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CPC (source: EP US)
F25B 39/028 (2013.01 - EP US); **F28D 1/05316** (2013.01 - EP US); **F28F 9/028** (2013.01 - EP US); **Y10S 165/483** (2013.01 - EP US)

Cited by
CN110168303A; EP0158081A3; FR2807152A1; DE102006016559A1; EP3208560A4; CN101943539A; FR3066263A1; GB2250336A; GB2250336B; US6179051B1; EP0848221A1; EP0634615A1; EP2806244A1; FR3059412A1; EP3348947A1; WO2014143951A3; WO0173366A1; WO2007028463A1; US9599409B2; US11029102B2; WO2012104438A3; WO2014127964A1; EP2671032B1

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