

Title (en)

Segmental baffle high performance shell and tube heat exchanger.

Title (de)

Segmentlenkbleche für einen Hochleistungs-Mantel-mit-Rohren-Wärmetauscher.

Title (fr)

Défecteurs segmentaux dans un échangeur de chaleur du type "enveloppe et tubes" à haute performance.

Publication

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Application

EP 84400377 A 19840224

Priority

US 47080583 A 19830228

Abstract (en)

The invention comprises a high performance segmented baffled shell and tube heat exchanger (1) in which baffles (4, 5, 6 and 7) are oriented at angles less than 180 DEG adjacent one another.

IPC 1-7

F28F 9/22

IPC 8 full level

F28F 13/08 (2006.01); **F28F 9/22** (2006.01)

CPC (source: EP)

F28F 9/22 (2013.01)

Citation (search report)

- [X] US 3630276 A 19711228 - KIKIN GERALD M, et al
- [X] DE 2410292 A1 19750918 - CASS INTERNATIONAL GMBH
- [A] CH 442380 A 19670831 - BBC BROWN BOVERI & CIE [CH]
- [A] US 3696863 A 19721010 - KIM SUNG CHUL
- [A] FR 2036806 A7 19701231 - ARA BARRENECHEA CONSTANC
- [A] US 4183401 A 19800115 - BELL WILLIAM W JR [US], et al
- [A] FR 65106 E 19560126 - CHAUSSON USINES SA

Cited by

US4697636A; ES2394406A1; CN108469191A; CN109186312A; DE102019126535A1; EP4006476A4; GB2298913A; GB2298913B; US12104861B2; WO2008131616A1; WO8503563A1; EP3800418A1

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