

Title (en)

Heat exchanger for indirect heat exchange

Title (de)

Wärmetauscher für den indirekten Wärmeaustausch

Title (fr)

Echangeur de chaleur pour échange de chaleur indirecte

Publication

**EP 1209434 A3 20060412 (DE)**

Application

**EP 01125219 A 20011024**

Priority

DE 10058023 A 20001123

Abstract (en)

[origin: EP1209434A2] Heat exchanger for indirect heat exchange of two gaseous media consisting of at least one aggressive component containing e.g. sulfuric acid comprises a chamber through which one medium flows and pipes (1) for the other medium passing through the chamber. The ends of the pipes are fixed in a gas- and liquid-tight manner in at least one pipe base (4) separating the media from each other. The pipes are made of plastic with walls forming a zigzag pattern (5). The zigzag patterns on the inner side and the outer side correspond with each other. The sides (6) on the inner side of the zigzag pattern angled downward lie at a smaller angle (  $\alpha$  ) to the pipe middle axis (1a) than the sides (7) angled upward. Preferred Features: The angle (  $\beta$  ) of the sides angled upward is 1.3-2 times the angle (  $\alpha$  ) of the sides angled downward.

IPC 8 full level

**F28F 1/08** (2006.01); **F28F 9/013** (2006.01); **F28F 9/18** (2006.01); **F28F 21/06** (2006.01)

CPC (source: EP)

**F28F 1/08** (2013.01); **F28F 9/0132** (2013.01); **F28F 9/187** (2013.01); **F28F 21/062** (2013.01); **F28F 21/067** (2013.01); **F28F 2275/20** (2013.01)

Citation (search report)

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- [A] WO 9956049 A1 19991104 - CHEMSPEED LTD [CH], et al
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Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**EP 1209434 A2 20020529**; **EP 1209434 A3 20060412**; **EP 1209434 B1 20070822**; AT E371156 T1 20070915; DE 50112903 D1 20071004; DK 1209434 T3 20080107; ES 2288901 T3 20080201

DOCDB simple family (application)

**EP 01125219 A 20011024**; AT 01125219 T 20011024; DE 50112903 T 20011024; DK 01125219 T 20011024; ES 01125219 T 20011024