

Title (en)

Heat exchanger having multiple coils and method for making the heat exchanger

Title (de)

Wärmetauscher mit mehreren Heizwicklungen und Verfahren zur Herstellung des Wärmetauschers

Title (fr)

Echangeur de chaleur avec plusieurs enroulements et méthode pour fabriquer l'échangeur de chaleur

Publication

EP 1255085 A3 20031008 (DE)

Application

EP 02009720 A 20020430

Priority

DE 10121805 A 20010504

Abstract (en)

[origin: EP1255085A2] Heat exchanger comprises several heating coils (2, 3) formed by spiral heating tube windings and arranged coaxially to each other a radial distance apart to form an inner chamber (13) into which a burner head and/or its heating flame/hot gases extend. The windings of the radially outer heating coil (3) are at least partly arranged in a radially offset chicane-type manner to form additional flow channels (23) through which the hot gases can additionally flow. An Independent claim is also included for a process for manufacturing the above heat exchanger. Preferred Features: The windings of the radially outer heating coil and/or the radially inner heating coil (2) are arranged above one another in the axial direction.

IPC 1-7

F24H 1/16

IPC 8 full level

F24H 1/16 (2006.01); **F28D 7/02** (2006.01)

CPC (source: EP)

F24H 1/165 (2013.01); **F28D 7/024** (2013.01)

Citation (search report)

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- [X] WO 9807530 A1 19980226 - KAERCHER GMBH & CO ALFRED [DE], et al
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Designated contracting state (EPC)

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