

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 B1 20060405 (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 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)

Cited by

WO2012152313A1; CN103517775A; CN107597894A; EP3719411A1; EP3719412A1; US9841244B2

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 1255085 A2 20021106; EP 1255085 A3 20031008; EP 1255085 B1 20060405; AT E322656 T1 20060415; DE 10121805 A1 20021107; DE 50206278 D1 20060518; DK 1255085 T3 20060807

DOCDB simple family (application)

EP 02009720 A 20020430; AT 02009720 T 20020430; DE 10121805 A 20010504; DE 50206278 T 20020430; DK 02009720 T 20020430