

Title (en)

Process for the manufacture of coaxial coiled tubes and heat exchanger with coaxial coiled tubes

Title (de)

Verfahren zur Herstellung eines gewendelten Koaxialrohrs für einen Wärmetauscher und Wärmetauscher, der ein gewendeltes Koaxialrohr aufweist

Title (fr)

Dispositif pour la fabrication de tubes concentriques enroulés et échangeur de chaleur à tubes concentriques enroulés

Publication

EP 0814312 B1 20040114 (DE)

Application

EP 97108997 A 19970604

Priority

DE 19624030 A 19960617

Abstract (en)

[origin: EP0814312A2] The co-axial tube (1), starting from a tangentially extending elongated section (7), is helically coiled with a double conical centre-tied outer contour by first reducing the radial extent (E,E1-E4) from winding (8-11) to winding (9-12), and then by enlarging the radial extent (E5-E9) from winding (13-16) to winding (14-17), running out into a tangential elongated section (18). The spiral-form windings by parallel alignment of the elongated tangential end sections are then axially fitted together in two banks.

IPC 1-7

F28D 7/02; **F28D 7/08**; **F28D 7/10**

IPC 8 full level

B21D 53/02 (2006.01); **F28D 7/02** (2006.01); **F28D 7/08** (2006.01); **F28D 7/10** (2006.01)

CPC (source: EP)

B21D 53/027 (2013.01); **F28D 7/024** (2013.01); **F28D 7/04** (2013.01); **F28D 7/106** (2013.01)

Cited by

EP1752718A1; US2015315937A1; US7836942B2; WO0119412A1

Designated contracting state (EPC)

AT DE FR GB IT NL

DOCDB simple family (publication)

EP 0814312 A2 19971229; **EP 0814312 A3 19990602**; **EP 0814312 B1 20040114**; AT E257938 T1 20040115; DE 19624030 A1 19971218; DE 59711199 D1 20040219

DOCDB simple family (application)

EP 97108997 A 19970604; AT 97108997 T 19970604; DE 19624030 A 19960617; DE 59711199 T 19970604