

Title (en)
Heat exchanger tube

Title (de)
Wärmetauscherrohr

Title (fr)
Tube d'échangeur de chaleur

Publication
EP 1033547 A3 20001004 (DE)

Application
EP 00103870 A 20000224

Priority
DE 19909368 A 19990303

Abstract (en)
[origin: DE19909368C1] Inner and outer tubes form the heat exchanger tube, at least one tube having rib type formations which in turn form a screw-line flow channel over the axial length for a product to be heated or cooled. The rib type formations have comb surfaces and the inner and outer tubes are separable from one another by axial relative movement. The comb surfaces (14,17) of opposing rib type formations of the inner and outer tubes (12,13) have a gap (24) between them provided for a short circuit flow, whilst the main product flow occurs through the flow channel.

IPC 1-7
F28D 7/10

IPC 8 full level
F28D 7/02 (2006.01); **F28D 7/10** (2006.01)

CPC (source: EP US)
F28D 7/022 (2013.01 - EP US); **F28D 7/026** (2013.01 - EP US); **F28D 7/103** (2013.01 - EP US)

Citation (search report)
• [X] US 1005441 A 19111010 - LOVEKIN LUTHER D [US]
• [X] BE 670481 A 19660131
• [A] FR 1158943 A 19580620 - CHANTIERS DE LATLANTIQUE
• [A] GB 394643 A 19330629 - SARC SA DE REPRESENTATION ET D
• [A] DE 29500063 U1 19951221 - ERENER MURAT [DE]
• [A] DE 203201 C
• [A] DE 3320956 A1 19841213 - KABELMETAL ELECTRO GMBH [DE]
• [A] US 4351389 A 19820928 - GUARNASCHELLI STEPHEN

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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