

Title (en)
Heat exchanger

Title (de)
Wärmetauscher

Title (fr)
Echangeur de chaleur

Publication
EP 0753715 B1 20010110 (DE)

Application
EP 96109853 A 19960619

Priority
DE 19525216 A 19950711

Abstract (en)
[origin: DE19525216C1] Heat exchanger (10) heats, cooks or boils a confection, pref. a solution containing a sugar or sugar substitutes. Ends of the casing (11) are closed by head plates (13, 14). Inlets (26, 27, 28) and outlets (31, 32, 33) are provided for thermal medium. In the internal volume (16), parallel, rectangular flow channel sections (35) carry the prod., their ends sealed into the head plates. In the new design, separators (19, 20) divide the internal volume into compartments (21, 22, 23). The length of the prod. flow-path in the heat exchanger is determined by the construction of the interchangeable head plates (13, 14). Channel sections (35) with product inlets (39), have smaller height (h) and cross sectional area than channel sections (35) with product outlets (41).

IPC 1-7
F28F 27/02; F28D 9/00

IPC 8 full level
C13B 25/00 (2011.01); **C13G 1/00** (2006.01); **F28D 9/00** (2006.01); **F28F 27/02** (2006.01)

CPC (source: EP)
C13B 25/001 (2013.01); **F28D 9/00** (2013.01); **F28F 27/02** (2013.01)

Cited by
US6953598B2

Designated contracting state (EPC)
DE GB IT NL

DOCDB simple family (publication)
DE 19525216 C1 19961121; DE 59606290 D1 20010215; EP 0753715 A2 19970115; EP 0753715 A3 19971203; EP 0753715 B1 20010110; JP H0979771 A 19970328

DOCDB simple family (application)
DE 19525216 A 19950711; DE 59606290 T 19960619; EP 96109853 A 19960619; JP 16639596 A 19960626