

Title (en)

Process and apparatus to fabricate a heat exchanger, especially for sweet products industry

Title (de)

Verfahren und Vorrichtung zur Herstellung eines Wärmetauschers, insbesondere für Massen in der Süßwarenindustrie

Title (fr)

Procédé et appareil pour fabriquer un échangeur de chaleur, en particulier pour l'industrie des produits sucrés

Publication

**EP 1686342 B1 20190327 (DE)**

Application

**EP 05110201 A 20051031**

Priority

DE 102004061354 A 20041221

Abstract (en)

[origin: DE102004061354B3] The method involves arranging a helical duct (25) within a housing (11), which is closed by end pieces (14, 15). Through-holes (28) are drilled in guide plates (26) using laser beams emitted from a laser device. The plates for guiding the mass to be heated or cooled are supported in the duct by a supporting unit (21). Pipes (23) for heat medium are inserted into the holes and are arranged parallel to a longitudinal axis of the housing. An independent claim is also included for a device for manufacturing a heat exchanger.

IPC 8 full level

**F28F 9/22** (2006.01); **B21D 53/02** (2006.01); **F28D 7/16** (2006.01)

CPC (source: EP US)

**F28D 7/1607** (2013.01 - EP US); **F28F 9/22** (2013.01 - EP US); **Y10T 29/4935** (2015.01 - EP US); **Y10T 29/49382** (2015.01 - EP US); **Y10T 29/496** (2015.01 - EP US)

Cited by

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**DE 102004061354 B3 20060309**; EP 1686342 A2 20060802; EP 1686342 A3 20171227; EP 1686342 B1 20190327; US 2006130329 A1 20060622

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