

Title (en)

Process for realising a cooling device.

Title (de)

Verfahren zur Herstellung einer Kühlvorrichtung.

Title (fr)

Procédé de réalisation d'un dispositif de refroidissement.

Publication

**EP 0082051 A2 19830622 (FR)**

Application

**EP 82402215 A 19821203**

Priority

FR 8123212 A 19811211

Abstract (en)

1. A method for realising a cooling device, comprising a base support (1) and at least one coil (4) with non-adjacent windings (3) of a wire of good heat conductivity, fixed on the support by means of a soldering metal, comprising the following steps : - winding a layer of this wire onto mandrels, -fixing the ends of the mandrels to a frame, - placing the frame and the mandrels on the base support (1) in such a way that all the windings are in contact with said support, - fixing the windings (3) on the base support (1) by means of a soldering metal, - withdrawal of the frame and the mandrels after fixing of the windings.

Abstract (fr)

L'invention concerne un procédé de réalisation d'un dispositif de refroidissement dans lequel les éléments qui assurent l'échange thermique entre le support de base (1) et le milieu ambiant sont des spires (3) soudées sur le support de base (1) obtenues en enroulant du fil à spires non-jointives sur des mandrins de forme appropriée. Lesdites spires peuvent, après fixation, être coupées à une certaine distance du support (1) pour réaliser des radiateurs dits «à picots».

IPC 1-7

**H05K 7/20**; **H01J 23/033**

IPC 8 full level

**F28F 3/02** (2006.01); **H01J 23/033** (2006.01); **H05K 7/20** (2006.01)

CPC (source: EP)

**F28F 3/022** (2013.01); **H01L 2924/0002** (2013.01)

C-Set (source: EP)

**H01L 2924/0002** + **H01L 2924/00**

Cited by

FR2913765A1; NL2019792B1; EP0542478A1; DE10140328A1; DE10140328B4; DE19623677A1; DE19623677C2; US5212625A; SE1730353A1; US11614284B2; WO2008132329A3; WO2019083361A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

**EP 0082051 A2 19830622**; **EP 0082051 A3 19840111**; **EP 0082051 B1 19870107**; AT E24818 T1 19870115; DE 3275053 D1 19870212; FR 2518357 A1 19830617; FR 2518357 B3 19841214

DOCDB simple family (application)

**EP 82402215 A 19821203**; AT 82402215 T 19821203; DE 3275053 T 19821203; FR 8123212 A 19811211