

Title (en)
TEMPERATURE-CONTROL APPARATUS COMPRISING A HOUSING FRAME

Title (de)
TEMPERIERVORRICHTUNG UMFASSEND EINEN GEHÄUSERAHMEN

Title (fr)
DISPOSITIF DE THERMORÉGULATION COMPORTANT CE CADRE

Publication
EP 2490576 B1 20190320 (DE)

Application
EP 10771024 A 20101020

Priority
• DE 202009014319 U 20091022
• EP 2010006419 W 20101020

Abstract (en)
[origin: WO2011047851A1] The present invention relates to a housing frame (2) of a temperature-control apparatus (1, 64), wherein a temperature T1 prevails outside the temperature-control apparatus (1, 64) and a temperature T2 prevails within the temperature-control apparatus (1, 64), wherein at least one of the edges of the housing frame is formed by a frame profile (5; 68) which comprises a base profile (13) composed of plastic and at least one pair of metal elements (14, 15; 34; 36 to 39) which are arranged in pairs parallel to one another and which are in the form of reinforcing strips and, over their entire abutment area on the base profile (13), are cohesively connected to said base profile, wherein the cross section of the frame profile has an axis (62) of symmetry, the isotherm for the temperature $(T1 - T2)/2$ at the point of intersection with the axis (62) of symmetry is arranged on said axis of symmetry orthogonally, and the isotherm for the temperature $(T1 - T2)/2$ does not exhibit a point of intersection with the metal elements (14, 15; 34; 36 to 39); and/or at least one of the posts (10, 69) of the housing frame (2) is formed by a post profile (70) which comprises a base profile (73) composed of plastic and at least one pair of metal elements (78, 79, 82, 83) which are arranged in pairs parallel to one another and which are in the form of reinforcing strips and, over their entire abutment area on the base profile (73), are cohesively connected to said base profile, wherein the cross section of the frame profile has an axis (62) of symmetry, the isotherm for the temperature $(T1 - T2)/2$ at the point of intersection with the axis (62) of symmetry is arranged on said axis of symmetry orthogonally, and the isotherm for the temperature $(T1 - T2)/2$ does not exhibit a point of intersection with the metal elements (78, 79, 82, 83).

IPC 8 full level
A47F 3/04 (2006.01); **F25D 23/06** (2006.01)

CPC (source: EP)
A47F 3/0482 (2013.01); **F24F 13/20** (2013.01); **F24F 2221/36** (2013.01); **F25D 23/062** (2013.01)

Citation (examination)
• GB 1051549 A
• DE 29610652 U1 19970717 - HUETTENBRAUCK GMBH U CO PROFIL [DE]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
DE 202009014319 U1 20110224; EP 2490576 A1 20120829; EP 2490576 B1 20190320; PL 2490576 T3 20191129; TR 201908475 T4 20190722; WO 2011047851 A1 20110428

DOCDB simple family (application)
DE 202009014319 U 20091022; EP 10771024 A 20101020; EP 2010006419 W 20101020; PL 10771024 T 20101020; TR 201908475 T 20101020