

Title (en)

Fastening means for radiators

Title (de)

Befestigungsmittel für Heizungskörper

Title (fr)

Dispositif de fixation pour radiateurs

Publication

**EP 1378713 B1 20060719 (DE)**

Application

**EP 03405117 A 20030224**

Priority

CH 10852002 A 20020624

Abstract (en)

[origin: EP1378713A2] Fixing device for heating bodies comprises a mounting element, a fixing part (3), and a removable holding element. The holding element is a clamp (4) with two S-shaped clamping elements for clamping the heating tubes of the heating body. The fixing part has a housing (5) with a receiving opening on the rear side facing the mounting element in which a fixing element is removably and flexibly arranged. The fixing element has two symmetrically arranged spring elements engaging with the end sections of the clamping elements. The housing has two openings receiving a fixing bolt (15) with a head (16), a tensioning part and a foot part. The spring elements of the fixing element are dimensioned, arranged and pressed outward by the tensioning part so that the clamping arms (4a, 4b) are pressed together when the two end sections of the clamping element are pressed apart and are moved from an open position into a closed position in which they receive a heating tube of the heating body. Preferred Features: The fixing part and the fixing element consist of zinc die-cast parts.

IPC 8 full level

**F24D 19/02** (2006.01)

CPC (source: EP)

**F24D 19/02** (2013.01); **F24D 19/0209** (2013.01); **F24D 19/0259** (2013.01)

Cited by

CH712936A1; FR2949262A1; EP1835235A3; EP1693624A1; DE202009003037U1; WO2011020969A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)

**EP 1378713 A2 20040107**; **EP 1378713 A3 20040616**; **EP 1378713 B1 20060719**; AT E333626 T1 20060815; DE 50304271 D1 20060831

DOCDB simple family (application)

**EP 03405117 A 20030224**; AT 03405117 T 20030224; DE 50304271 T 20030224