

Title (en)

Device for antivibrationally securing tubes of a heat exchanger and use thereof

Title (de)

Vorrichtung für schwingungsneutralisierendes Festsetzen von Wärmetauscherrohren und seine Verwendung

Title (fr)

Dispositif de calage antivibratoire de tubes d'un échangeur de chaleur et utilisation

Publication

**EP 0654636 B1 19980513 (FR)**

Application

**EP 94402249 A 19941006**

Priority

FR 9312514 A 19931020

Abstract (en)

[origin: EP0654636A1] The securing device comprises sets of antivibratory bars (25, 25') interposed between sheets of tubes (24) of the bank of the steam generator, in the upper part of the bank known as the tube-bend region. The antivibratory bars (25, 25') comprise parts (25b, 25'b) which project in relation to the tube-bend region and the securing device comprises means of connecting the end parts of the antivibratory bars which comprise aligned openings. The connecting means comprise a screw (21), the head (21a) of which is intended to come to bear against a first antivibratory bar (25) and the threaded shank (21b) of which is screwed into a distance piece (22). The distance piece (22) is fixed either in a second distance piece, or in a tapped fixing element (23), via a threaded part (22b). The threaded parts (21b) of the screw and (22b) of the distance piece pass through the antivibratory bars (25, 25') through the aligned openings. <IMAGE>

IPC 1-7

**F22B 37/20**; **F28F 9/013**

IPC 8 full level

**F22B 37/20** (2006.01); **F28D 7/06** (2006.01); **F28F 9/013** (2006.01)

CPC (source: EP KR US)

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