

Title (en)

Header box with an expansion chamber for a heat-exchanger with a bundle of vertical tubes, and heat-exchanger having such a device

Title (de)

Wasserkasten mit Ausdehnungsgefäß für einen Wärmetauscher mit vertikalem Rohrbündel und Wärmetauscher mit einer derartigen Vorrichtung

Title (fr)

Dispositif de boîte à eau et de vase d'expansion pour échangeur de chaleur à faisceau de tubes verticaux, et échangeur de chaleur comportant un tel dispositif

Publication

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Application

**EP 92402478 A 19920910**

Priority

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Abstract (en)

[origin: EP0532416A1] The invention relates to a device including a water box and an expansion vessel for a heat-exchanger with a bundle of vertical tubes. The device (10) comprises a water box (20) arranged in a generally horizontal position and suitable for being mounted at the upper end of a bundle (12) of vertical tubes (16), and an expansion vessel (42) arranged in a generally horizontal position and placed above the water box and communicating with it via a multiplicity of passages (66,72,76) distributed over at least part of the length of the water box and of the expansion vessel in order to provide a connection for fluid between them and facilitate the expansion of the liquid and its degassing. The invention is particularly applicable to heat-exchangers for cooling motor-vehicle engines. <IMAGE>

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