

Title (en)

Header box with expansion chamber for a heat exchanger, for example a cooler, and heat-exchanger having such a device.

Title (de)

Endkammer mit Ausdehnungsgefäß für einen Wärmetauscher, zum Beispiel einen Kühler und Wärmetauscher mit einer derartigen Vorrichtung.

Title (fr)

Dispositif de boîte à eau et de vase d'expansion pour un échangeur de chaleur, tel qu'un radiateur de refroidissement, et échangeur de chaleur comprenant ce dispositif.

Publication

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Application

EP 91401061 A 19910423

Priority

FR 9005331 A 19900426

Abstract (en)

Water-box and expansion-chamber device for a heat exchanger, comprising a water box (20) having a generally vertical disposition suitable for being mounted at one end of a bundle (10) of horizontal tubes (12) and an expansion chamber (22) provided at the upper end of the water box and extending horizontally beyond the latter. The expansion chamber is separated from the water box and attached to the latter by means of a connecting tubing (24) emerging into the upper end of the water box, a separating partition (50) being provided inside the tubing (24) and the water box (20) in order to make two adjacent passages: a liquid-degassing passage (78) connecting the expansion chamber to the water box and a liquid-return passage (80) connecting the expansion chamber to at least one upper tube (76) of the bundle. <IMAGE>

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IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [AD] FR 2588366 A1 19870410 - VALEO [FR]
- [A] EP 0274321 A1 19880713 - VALEO [FR]
- [A] EP 0219419 A1 19870422 - VALEO [FR]
- [A] US 4006775 A 19770208 - AVREA WALTER C
- [A] US 3406751 A 19681022 - KREUL ALVIN L, et al

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