

Title (en)

Heat exchanger for stationary air conditioning system with improved water condensate drainage

Title (de)

Wärmetauscher für ein ortsfestes Klimaanlage mit verbessertem Kondenswasserablass

Title (fr)

Échangeur de chaleur pour système climatiseur d'air stationnaire doté de drainage d'eau condensée amélioré

Publication

EP 1832831 A2 20070912 (EN)

Application

EP 07075126 A 20070213

Priority

- US 77963006 P 20060306
- US 59983606 A 20061115

Abstract (en)

A heat exchanger (58) in a cabinet (50) space for use in a stationary air conditioning system, wherein the heat exchanger (58) has a pair of substantially horizontal manifold tanks (60, 62) engaged to a plurality of substantially vertically oriented flow tubes (64) bent into substantially an L shape having a bend angle sufficiently steep that condensate runs along the surface under the force of gravity. Furthermore, the heat exchanger (58) has improved fins (66) and is angled in the horizontal direction for less inhibited drainage of condensate.

IPC 8 full level

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CPC (source: EP US)

F28D 1/05366 (2013.01 - EP US); **F28F 1/128** (2013.01 - EP US); **F28F 17/005** (2013.01 - EP US); **F28D 2001/0273** (2013.01 - EP US)

Cited by

EP2799804A4; US11277939B2; WO2014059993A1; WO2013124096A1; US11656011B2

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Designated extension state (EPC)

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