

Title (en)

HIGH VOLTAGE AIR HEATER AND METHOD FOR THE ASSEMBLY OF ITS HEATING ELEMENTS

Title (de)

HOCHSPANNUNGS-LUFTERHITZER UND VERFAHREN FÜR DIE MONTAGE SEINER HEIZELEMENTE

Title (fr)

AÉROTHERME HAUTE TENSION ET PROCÉDÉ DE MONTAGE DE SES ÉLÉMENTS CHAUFFANTS

Publication

EP 3310126 A1 20180418 (EN)

Application

EP 16193318 A 20161011

Priority

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Abstract (en)

Disclosed is a high voltage air heater comprising pre-installed heater steps which each comprise a middle component and two outer lamella elements. The heater steps further comprise a frame and are fastened at a distance to each other via a respective end portion and via a respective rotatable locking ring to a control housing of the high voltage air heater. In the control housing, high voltage switching elements are, by a respective clamp element, clamped against a respective heat dissipation element, wherein the arrangement of voltage switching element, clamp element, and heat dissipation element is disposed at a common side of a printed circuit board assembly.

IPC 8 full level

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CPC (source: EP US)

F24H 3/0429 (2013.01 - EP); **F24H 9/1872** (2013.01 - EP); **H05B 3/24** (2013.01 - EP US); **H05B 2203/023** (2013.01 - EP)

Citation (applicant)

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- EP 1445553 A1 20040811 - BEHR FRANCE SARL [FR]
- EP 2608633 A1 20130626 - EBERSPAECHER CATEM GMBH & CO KG [DE]

Citation (search report)

- [AD] EP 2608633 A1 20130626 - EBERSPAECHER CATEM GMBH & CO KG [DE]
- [A] DE 102013103433 A1 20131017 - DBK DAVID & BAADER GMBH [DE]
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Cited by

FR3126837A1; WO2023031150A1

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