

Title (en)

HIGH VOLTAGE AIR HEATER INCLUDING A CONTROL HOUSING AND METHOD FOR THE ASSEMBLY THEREOF

Title (de)

HOCHSPANNUNGSLUFTHEIZER MIT STEUERUNGSGEHÄUSE UND VERFAHREN ZUR MONTAGE DAVON

Title (fr)

CHAUFFAGE D'AIR HAUTE TENSION COMPRENANT UN BOÎTIER DE COMMANDE ET SON PROCÉDÉ DE MONTAGE

Publication

EP 3310127 A1 20180418 (EN)

Application

EP 16193321 A 20161011

Priority

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Abstract (en)

Disclosed is a high voltage air heater comprising pre-assembled 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 2607121 A1 20130626 - EBERSPAECHER CATEM GMBH & CO KG [DE]

Citation (search report)

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