

Title (en)
ELECTRICALLY OPERABLE SURFACE HEATING ELEMENT ARRANGEMENT, IN PARTICULAR IN THE FORM OF A FLOOR SURFACE HEATING ELEMENT ARRANGEMENT

Title (de)
ELEKTRISCH BETREIBBARE FLÄCHENHEIZELEMENT-ANORDNUNG, INSBESONDERE ALS FUSSBODEN-FLÄCHENHEIZELEMENT-ANORDNUNG

Title (fr)
SYSTEME D'ELEMENTS CHAUFFANTS PLATS ALIMENTES EN ELECTRICITE, EN PARTICULIER SYSTEME D'ELEMENTS CHAUFFANTS PLATS POUR PLANCHER

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Application
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Abstract (en)
[origin: WO2007073880A1] The surface heating element arrangement, in particular a floor surface heating element arrangement, has a plurality of surface heating elements (2), which in turn have an electrically active heating layer (5), which is delimited by two electrically conductive conductor strips (7). The surface heating elements (2) are arranged next to one another in longitudinal rows (16) corresponding to the alignment of the conductor strips (7), wherein at least two such longitudinal rows (16) are arranged in a row next to one another in the transverse direction. An electrical control device, for power supply and control purposes, is electrically connected with a first pole to one conductor strip of a surface heating element (2) and with a second pole to the other conductor strip of this surface heating element (2). According to the invention, in each case one connecting part (8, 9) of an electrical connecting element (10) is arranged at the surface heating elements (2) for a longitudinal connection. Furthermore, transverse connectors (11) for transversely connecting adjacent surface heating element rows (2) are provided, wherein the transverse connectors (11) are arranged at one or both free row end sides of the longitudinal rows (16) of elements, and are each connected with their connecting parts (8', 9'; 8'', 9'') to conductor strips which are electrically assigned to the same pole and to their connecting parts (8, 9) there of the longitudinal row of elements connected to the control device (17a, 17b) and of the transversely adjacent longitudinal row of elements.

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