Title (en)

GLAZING WITH ELECTRIC HEATING FIELD

Title (de)

VERGLASUNG MIT ELEKTRISCHEM HEIZFELD

Title (fr)

VITRAGE À CHAMP DE CHAUFFAGE ÉLECTRIQUE

Publication

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Application

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Abstract (en)

[origin: WO2022152910A1] The present invention relates to a glazing (1) with an electric heating field (H1, H2), which comprises: - at least one pane (2, 3), - a first collecting conductor (5) and a second collecting conductor (6) provided for connection to a voltage source, which are connected to each other by electric heating wires (7) in such a way that an electric heating field (H1, H2) is formed between the two collecting conductors (5, 6), - at least one heating-wire-free zone (8) outside the heating field (H1, H2), wherein a first collecting conductor section (5.1) of the first collecting conductor (5) is guided around the heating-wire-free zone (8) in such a way that a shortest distance between the first collecting conductor section (5.1) and the second collecting conductor (6) is smaller than a shortest distance between at least one second collecting conductor section (5.2) of the first collecting conductor (5) and the second collecting conductor (6), first heating wires (7.1) extending from the first collecting conductor section (5.1) to the second collecting conductor (6) in a first heating field region (H1) and second heating wires (7.2) extending from the at least one second collecting conductor section (5.2) to the second collecting conductor (6) in a second heating field region (H2), wherein the heating wires (7.1, 7.2) have the following features i), ii) and/or iii): i) an electrical resistance of the first heating wires (7.1) is greater than an electrical resistance of the second heating wires (7.2), ii) a distance between immediately adjacent first heating wires (7.1) is greater than a distance between immediately adjacent second heating wires (7.2), iii) a waviness of the first heating wires (7.1) is greater than a waviness of the second heating wires (7.2), wherein features i), ii) and/or iii) are configured such that a heating power per area in the first heating field region (H1) corresponds to a heating power per area in the at least one second heating field region (H2).

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