

Title (en)

HEATING OR COOLING DEVICE FOR A RAILWAY PROFILE

Title (de)

HEIZ- ODER KÜHLVORRICHTUNG FÜR EIN SCHIENENPROFIL

Title (fr)

DISPOSITIF DE CHAUFFAGE OU DE REFROIDISSEMENT D'UN RAIL

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Application

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Abstract (en)

[origin: WO2015048939A1] The invention relates to a temperature-control unit for track elements, comprising a first and a second one-piece heat exchanger (5, 11) made of a thermally conductive material, in each of which a continuous cavity for accommodating a temperature-control medium is formed and which each have an end-face opening at each end of the cavity, and at least one fastening device for fastening the heat exchangers (5, 11) to the track element, wherein the first heat exchanger (5) and the second heat exchanger (11) can be arranged in two adjacent segments of the track element, such that the first heat exchanger (5) is arranged at least partially above the second heat exchanger (11) over the length of the first heat exchanger, wherein the first heat exchanger (5) and the second heat exchanger (11) are spaced apart from each other by up to 20 mm. The invention further relates to a system for controlling the temperature of track elements, comprising a temperature-control unit according to the invention, a temperature-control device for controlling the temperature of the temperature-control medium, and a line system for feeding the temperature-control medium from the temperature-control device to the temperature-control unit and for returning the temperature-control medium from the temperature-control unit to the temperature-control device.

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