

Title (en)

PROFILE COOLING APPARATUS AND COOLING LINE FOR A PROFILE COOLING APPARATUS

Title (de)

PROFILKÜHLVORRICHTUNG UND KÜHLSTRANG FÜR EINE PROFILKÜHLVORRICHTUNG

Title (fr)

DISPOSITIF DE REFROIDISSEMENT DE PROFILÉS ET LIGNE DE REFROIDISSEMENT POUR UN DISPOSITIF DE REFROIDISSEMENT DE PROFILÉS

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Application

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Abstract (en)

[origin: WO2022194770A1] The invention relates to a cooling line (1) for a profile cooling apparatus (31), comprising a cooling fluid supply line (2), in particular a water supply line, and a dispensing unit (3), wherein the dispensing unit (3) is fluidically connected to the cooling fluid supply line (2) and comprises a distributor pipe (4) that has a closed end preferably opposite the connection to the cooling fluid supply line (2), wherein the distributor pipe (4) has, in a longitudinal direction (L), a plurality of mutually spaced outlet devices (5a, 5b), preferably flat-spray nozzles, by means of which a cooling fluid (01) from the distributor pipe (4) can be discharged in the direction of a profile to be cooled. According to the invention, the distributor pipe (4) comprises two groups (6, 7) of outlet devices (5a, 5b), in which a maximum volume flow through the outlet device (5a) of the first group (6) differs from the maximum volume flow through the outlet device (5b) of the second group (7), in particular due to different outlet openings, wherein the outlet devices (5a, 5b) of each group (6, 7) are arranged one behind the other in the longitudinal direction (l) and the two groups (6, 7) are mutually spaced in the circumferential direction, and preferably are opposite one another, and wherein the cooling line (1) comprises a drive device (24) which is connected to the dispensing unit (3) in such a way that rotation of the distributor pipe (4) about the longitudinal direction (L) is made possible and the dispensing unit (3) is designed in such a way that exclusive activation of only one group (6, 7) of outlet devices (5a, 5b) at a time is achieved.

IPC 8 full level

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