

Title (en)

INSTALLATION SETUP AND METHOD FOR AUTOMATED CLEANING OF FINNED HEAT EXCHANGERS

Title (de)

INSTALLATIONSANORDNUNG UND VERFAHREN ZUR AUTOMATISIERTEN REINIGUNG VON LAMELLENWÄRMETAUSCHERN

Title (fr)

AGENCEMENT D'INSTALLATION ET PROCÉDÉ DE NETTOYAGE AUTOMATIQUE D'ÉCHANGEURS DE CHALEUR À LAMELLES

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Application

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Abstract (en)

[origin: WO2018077326A1] The invention relates to a method for the automated cleaning of lamellar heat exchangers (13) and other sensitive surfaces, wherein a moving device (10), preferably moving on the rollers (4) or skids, is moved up and down on a guide unit (9) consisting of at least one and preferably two guide rails (1), which moving device has attached to it a support arm (5) to which are attached at least one and preferably multiple spray nozzles (6) such that these nozzles are moved by the moving device (10) by means of an additional drive unit (2), preferably via a roller or gear wheel (8) attached at another end next to the guide unit (9), wherein supply hoses (19) pressurized to at least 2 bar supply a carrier gas, preferably compressed air, and as the spraying medium a liquid, preferably water, wherein the supplied water quantity is less than 1%, preferably less than 0.30% of the supplied air quantity.

IPC 8 full level

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