

Title (en)  
HYGIENIC SCREW-THREAD ADJUSTING DEVICE FOR A CONTAINER TREATMENT MACHINE AND METHOD FOR CLEANING THE SCREW-THREAD ADJUSTING DEVICE

Title (de)  
HYGIENISCHE GEWINDE-VERSTELLVORRICHTUNG FÜR EINE BEHÄLTERBEHANDLUNGSMASCHINE UND VERFAHREN ZUR REINIGUNG DER GEWINDE-VERSTELLVORRICHTUNG

Title (fr)  
DISPOSITIF DE RÉGLAGE FILETÉ HYGIÉNIQUE POUR UNE MACHINE DE TRAITEMENT DE RÉCIPIENTS ET PROCÉDÉ DE NETTOYAGE DUDIT DISPOSITIF DE RÉGLAGE FILETÉ

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Application  
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Abstract (en)  
[origin: WO2021151647A1] The invention relates to a screw-thread adjusting device (1) for a container treatment machine. The screw-thread adjusting device (1) has at least one rotary body (2) that is rotatable about an axis of rotation (R), and at least one translatory body (3) that can move translationally relative to the rotary body (2) by rotation of the rotary body (2), wherein the rotary body (2) and the translatory body (3) are interlockingly and operatively interconnected via at least one screw-thread connection (10). To this end, the rotary body (2) has a screw-thread (4) having screw-thread flanks (7) and the translatory body (3) has a corresponding mating screw-thread (5) having mating screw-thread flanks (8), and the screw-thread flanks (7) and mating screw-thread flanks (8) each comprise a flank surface (7.1, 8.1). For the hygienic cleaning of the screw-threaded connection (10) by means of a cleaning fluid, at least one of the flank surfaces (7.1, 8.1) has, at least sectionally, structure-forming means (11) such that, in a contact region of the screw-thread (4) and mating screw-thread (5), even when the screw-thread (4) overlaps the corresponding mating screw-thread (5), at least one receiving and conducting space (9) for the cleaning fluid is formed between at least some sections of the flank surfaces (7.1, 8.1) of the engaged screw-thread flanks (7) and mating screw-thread flanks (8). Also provided is a fluid conduit (12) such that, in at least one rotational position of the rotary body (2), a fluidic connection is established between the at least one receiving and conducting space (9) and the fluid conduit (12).

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