

Title (en)  
PLANETARY ROLLER EXTRUDER FOR PROCESSING BIODEGRADABLE MATERIALS AND METHOD FOR CLEANING THE PLANETARY ROLLER EXTRUDER

Title (de)  
PLANETWALZENEXTRUDER ZUM VERARBEITEN VON BIOLOGISCH ABBAUBAREN MATERIALIEN UND VERFAHREN ZUM REINIGEN DES PLANETWALZENEXTRUDERS

Title (fr)  
EXTRUDEUSE PLANÉTAIRE CONÇUE POUR LE TRAITEMENT DE MATÉRIAUX BIODÉGRADABLES ET PROCÉDÉ DE NETTOYAGE DE CETTE EXTRUDEUSE PLANÉTAIRE

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**EP 22793524 A 20220921**

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Abstract (en)  
[origin: WO2023052211A1] The invention relates to a planetary roller extruder (1) for the homogenisation, dispersion, pasteurisation and targeted temperature control of biodegradable materials which tend, during processing, to change their properties, in particular the properties which exclude further use after their processing, such as nutrients, in particular foodstuffs, or medicaments or pharmaceutical products, the planetary roller extruder (1) containing different regions, there being a flow duct (11) with various transitions from one region to the next region in the interior (15) of the planetary roller extruder (1), and parts being installed statically and movably. According to the invention, a seal (10) is installed between statically installed parts, by means of which seal the gaps or cavities present can be closed, and movable parts which are guided from the flow duct (11) in the interior (14) of the planetary roller extruder (1) outwards towards the surroundings (16) are sealed with a mechanical face seal, so that shoulders and/or notches along the flow faces in the transition region of the movable parts are avoided.

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