

Title (en)

DEVICE AND METHOD FOR THE CONTINUOUS HIGH-PRESSURE TREATMENT OF BULK MATERIAL AND USE THEREOF

Title (de)

VORRICHTUNG UND VERFAHREN ZUM KONTINUIERLICHEN HOCHDRUCKBEHANDELN VON SCHÜTTGUT SOWIE VERWENDUNG

Title (fr)

DISPOSITIF ET PROCÉDÉ POUR LE TRAITEMENT HAUTE PRESSION EN CONTINU DE PRODUITS EN VRAC ET UTILISATION

Publication

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Application

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Abstract (en)

[origin: WO2019122387A1] The invention relates to a device and a method for the high-pressure treatment of bulk material by extraction and/or impregnation, wherein the bulk material is arranged in the interior volume (Vi) of a pressure vessel device (10) and is treated at a high pressure level, in particular high pressure in the range of 40 to 1000 bar, while sealed off from the surroundings (U), wherein the high-pressure treatment is carried out in batches in a closed system in the pressure vessel device sealed off in a pressure-tight manner from the surroundings, in that the bulk material is fed to the interior volume (Vi) in batches with the pressure vessel device closed and is arranged on at least one treatment level and, after the high-pressure treatment has taken place, is discharged from the interior volume in batches with the high-pressure vessel closed. This also provides advantages in handling, in particular also with regard to material flow, and with regard to operational safety. The invention also relates to the use of a supporting tray module with at least one treatment level for high-pressure treatment in a closed system.

IPC 8 full level

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