

Title (en)  
METHOD AND DEVICE FOR CONTROLLING THE PRODUCTION OF AN EXTRACT USING A SOLID-LIQUID EXTRACTION PROCESS

Title (de)  
VERFAHREN UND VORRICHTUNG ZUR STEUERUNG DER HERSTELLUNG EINES EXTRAKTES DURCH FEST-FLÜSSIG-EXTRAKTION

Title (fr)  
PROCÉDÉ ET DISPOSITIF DE CONTRÔLE DE LA PRODUCTION D'UN EXTRAIT PAR EXTRACTION SOLIDE-LIQUIDE

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Application  
**EP 20710422 A 20200219**

Priority

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Abstract (en)  
[origin: WO2020192959A2] The invention relates to a method for controlling the production of an extract using a solid-liquid extraction process, preferably a hot solid-liquid extraction process, in particular for large-scale industrial applications and in particular for producing a tea concentrate, using at least one extraction container (10; 100; 1000) according to the preamble of claim 1. The aim of the invention is to improve the exchange of material during the extraction process in comparison to solutions according to the prior art and to allow a controlled dehumidification of a raffinate with residual moisture in order to obtain additional valuable extracts using the method according to the invention. According to the method, this is achieved by carrying out the following steps: (i) providing the first compound (M) in the extraction container (10; 100; 1000); (ii) supplying the specified second compound (m) to the provided first compound (M) without spatial constraints and distributing and mixing the second compound into and with the first compound (M); (iii) discharging a mixture ((C $\infty$ B)+A), consisting of the extract ((C $\infty$ B)) and the raffinate (A), out of the extraction container (10; 100; 1000); (iv) separating the mixture discharged according to step (iii) into the raffinate with residual moisture (A+) and an extract ((C $\infty$ B)\*\* released from the raffinate with residual moisture (A+); and (v) re-treating the raffinate with residual moisture (A+) at least such that the residual moisture consisting of the extract is at least partly removed from the raffinate with residual moisture (A+) by a dehumidification process and is supplied to the already separated extract ((C $\infty$ B)).

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