

Title (en)

METHOD AND DEVICE FOR PRESSING A LIQUID EXTRACT OUT OF A MATERIAL TO BE PRESSED

Title (de)

VERFAHREN UND VORRICHTUNG ZUM PRESSEN EINES FLÜSSIGEN EXTRAKTS AUS EINEM PRESSGUT

Title (fr)

PROCÉDÉ ET DISPOSITIF DE PRESSAGE D'UN EXTRAIT LIQUIDE HORS D'UN MATÉRIAU À PRESSER

Publication

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Application

**EP 22730893 A 20220530**

Priority

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Abstract (en)

[origin: CA3220864A1] The invention relates to a method for pressing a liquid extract out of a material to be pressed. The material to be pressed is supplied to a screw press and is transported along a pressing path in the screw press, and a pressing pressure is applied to the material to be pressed. The screw press is supplied with an extraction agent which is discharged from the material to be pressed together with the extract, wherein carbon dioxide is used as the extraction agent. The invention is characterized in that the carbon dioxide is supplied to the screw press in the form of dry ice pellets. The dry ice is mixed with the material to be pressed and is transported together with the material to be pressed through the screw press along the pressing path. In the process, the dry ice is converted into liquid or supercritical carbon dioxide, which dissolves in the extract and reduces the viscosity thereof and which effectively cools the material to be pressed in the screw press.

IPC 8 full level

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