

Title (en)

METHOD AND DEVICE FOR PRODUCING SOLID PARTICLES FROM LIQUIDS, IN PARTICULAR LIQUID CARBON DIOXIDE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ERZEUGUNG VON FESTEN PARTIKELN AUS FLÜSSIGKEITEN, INSBESONDERE AUS FLÜSSIGEM KOHLENDIOXID

Title (fr)

PROCEDE ET DISPOSITIF POUR PRODUIRE DES PARTICULES SOLIDES A PARTIR DE LIQUIDES, NOTAMMENT DE DIOXYDE DE CARBONE LIQUIDE

Publication

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Application

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Abstract (en)

[origin: WO2006045305A2] The invention relates to a method for producing solid particles from liquids. Said method comprises the following steps : a) the liquid is removed from the storage container, b) is cooled to a triple point temperature, and is throttled to a desired freezing pressure, then c) drops are produced from the liquid and d) are introduced into a gas flow which, at least in parts, does not contain substances of the liquid. Then, e) the drops freeze to become solid particles due to partial evaporation of the liquid drops, and the solid particles f) are subsequently collected and evacuated. The invention further relates to a device for carrying out said method.

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