

Title (en)

METHOD AND PLANT FOR PRODUCING LACTOSE CRYSTALS

Title (de)

VERFAHREN UND ANLAGE ZUR ERZEUGUNG EINES LAKTOSE-KRISTALLISATS

Title (fr)

PROCÉDÉ ET INSTALLATION DE PRODUCTION DE CRISTAUX DE LACTOSE

Publication

**EP 3105356 A1 20161221 (DE)**

Application

**EP 15705553 A 20150210**

Priority

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Abstract (en)

[origin: WO2015121238A1] For continuous production of qualitatively high-grade lactose monohydrate crystals from a solution, the invention proposes the preparation of a highly concentrated solution in a falling film evaporator (1), from the pre-concentrated solution (L2), which is then subjected to continuous cold crystallization (2) with forced circulation (KR) and from which a lactose suspension (SP) is drawn off that forms the product crystals following separation of the transported solution. The product crystals (K) are thereby obtained directly by solid/liquid separation (3), without further crystallization steps from the suspension that was drawn off from the cold crystallization (2). A portion of the mother solution separated off from the product crystals (K) is fed back to a point prior to the inlet to the falling film evaporator (1), the remainder of the mother solution (A) is discarded.

IPC 8 full level

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Citation (search report)

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