

Title (en)

Process for preparing crystallized sugar from aqueous sugar juice, e.g. sugar cane juice or sugar beet juice

Title (de)

Verfahren zur Herstellung von Kristallzucker aus einem wässrigen Zuckersaft, z.B. Zuckerrohr- oder Zuckerrübensaft

Title (fr)

Procédé de fabrication de sucre cristallisé, à partir de jus sucré aqueux tel qu'un jus de canne à sucre ou de betterave sucrière

Publication

EP 0655507 B1 20020717 (FR)

Application

EP 94402540 A 19941109

Priority

US 15138393 A 19931112

Abstract (en)

[origin: US5902409A] This invention relates to a process for the manufacture of crystal sugar from an aqueous sugar juice containing sugars and organic and mineral impurities, including Ca²⁺ and/or Mg²⁺ ions, such as a sugar cane or sugar beet juice, comprising the following operations: (a) concentration of said sugar juice to give a syrup, and (b) crystallization of said syrup to give a crystal sugar and a molasses, characterized in that it also comprises an operation: (c) of tangential microfiltration, tangential ultrafiltration or tangential nanofiltration, this operation being effected before operation (a). It also relates to a process for the production of crystal white sugar from a sugar juice of the sugar cane juice type, comprising the above-mentioned process for the production of crystal sugar, completed by re-melt, decolorization and crystallization operations.

IPC 1-7

C13D 1/00; **C13F 1/02**; **C13D 3/18**; **C13D 3/14**; **C13D 3/16**; **C13J 1/06**

IPC 8 full level

C13B 20/02 (2011.01); **C13B 20/12** (2011.01); **C13B 20/14** (2011.01); **C13B 20/16** (2011.01); **C13B 30/02** (2011.01); **C13B 35/06** (2011.01)

CPC (source: EP US)

C13B 20/02 (2013.01 - EP US); **C13B 20/123** (2013.01 - EP US); **C13B 20/144** (2013.01 - EP US); **C13B 20/165** (2013.01 - EP US); **C13B 30/02** (2013.01 - EP US); **C13B 35/06** (2013.01 - EP US)

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EP1046718A1; FR2838751A1; EP1354965A3; EP0832986A1; FR2753456A1; US5759283A; FR2732358A1; EP0826781A3; US6375751B2; US6387186B1; WO0060128A1; WO0114595A3; WO9812356A1; WO0114594A3

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

US 5902409 A 19990511; AT E220727 T1 20020815; AU 698506 B2 19981029; AU 7776394 A 19950518; BR 9404350 A 19950704; CN 1105705 A 19950726; CO 4370065 A1 19961007; CU 22541 A3 19990331; DE 69430978 D1 20020822; DE 69430978 T2 20021121; DK 0655507 T3 20021028; EG 20282 A 19980730; EP 0655507 A2 19950531; EP 0655507 A3 19960320; EP 0655507 B1 20020717; ES 2177569 T3 20021216; GT 199900088 A 19990617; US 5554227 A 19960910; ZA 948722 B 19950703

DOCDB simple family (application)

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