

Title (en)  
IMPROVED METHOD OF RECOVERING SUCROSE

Publication  
**EP 0113592 A3 19850116 (EN)**

Application  
**EP 83308016 A 19831229**

Priority  
US 45418882 A 19821229

Abstract (en)  
[origin: EP0113592A2] An improved method of recovering sucrose from plant-derived aqueous solutions is provided. The method comprises contacting an aqueous sucrose-containing solution derived from plant juice, such as sugar cane or sugar beet juice, with aliphatic carboxylic acid having an average carbon chain length of about 2-6, in a concentration sufficient to selectively precipitate a substantial amount of sucrose from the solution. The precipitate is then separated and recovered and the depleted solution can be recycled. Preferably the sucrose-containing solution is concentrated to about 55-96 Brix before the contacting and the contacting is carried out by rapidly adding the sucrose-containing solution to the acid in order to assure rapid growth of large sucrose crystals for maximum sucrose recovery. The sucrose-containing solution before concentrating can be any solution obtained prior to molasses formation; e.g. untreated diffusion juice, prelimed and/or predefecated diffusion juice, purified diffusion juice or even a solution formed by reconstituting from raw recovered sugar; alternatively, it can be a solution after molasses formation, in which event the selected acid, if it includes acetic acid, only includes it in a mixture with other aliphatic carboxylic acids. It may also be waste fluid from a canning operation or the like.

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**C13F 1/02**; **C13J 1/02**

IPC 8 full level  
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CPC (source: EP)  
**C13B 30/021** (2013.01); **C13B 35/02** (2013.01)

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• [X] DE 20595 C  
• [X] BE 521232 A  
• [A] US 1558554 A 19251027 - LEONIS CHRISTOFER G

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Designated contracting state (EPC)  
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**EP 0113592 A2 19840718**; **EP 0113592 A3 19850116**; AU 2298683 A 19840705; BR 8307262 A 19840807; CA 1208632 A 19860729; DD 217824 A5 19850123; DK 586883 A 19840630; DK 586883 D0 19831220; ES 528520 A0 19850501; ES 8504941 A1 19850501; FI 834825 A0 19831228; FI 834825 A 19840630; HU T38679 A 19860630; JP S59173100 A 19840929; JP S6144478 B2 19861002; PL 245307 A1 19850102; RO 88687 A 19860228; TR 22066 A 19860306; YU 251483 A 19860228; ZA 839641 B 19850828

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