

Title (en)  
PREPARATION OF SEEDING CRYSTALS FOR MASSECUITE

Publication  
**EP 0104277 B1 19860326 (DE)**

Application  
**EP 82201191 A 19820923**

Priority  
EP 82201191 A 19820923

Abstract (en)  
[origin: EP0104277A1] Prodn. comprises mixing a sugar soln. having super-satn. no. 1.12-1.2 and vol. 1.8-2.2% of the end vol. with a suspension of ground sugar of grain-size 5-20 microns. The mixt. is homogenised with a rotary pump. Crystallisation takes place by adjusting the pressure in the crystallisation appts. so that liq. is evaporated and the temp. is lowered. The pressure redn. and/or the temp. is/are adjusted so that the super-satn. no. remains within the 1.12-1.2 limits. The inoculating crystals have uniform grain-size, e.g. of 200 microns. The process can be automated. The amt. of enclosed mother liquor in crystals is reduced, and end prod. has improved crystal quality, e.g. conglomerate amt. is reduced from 81.8%, for a standard process, to 13.7% and ash x 1000 from 11.8- to 7%, whereas average grain-size is increased from 0.58- to 0.64 mm. Energy consumption is lowered.

IPC 1-7  
**C13F 1/02**

IPC 8 full level  
**C13B 30/02** (2011.01); **C13F 1/02** (2006.01)

CPC (source: EP US)  
**C13B 30/02** (2013.01 - EP US)

Cited by  
EP0473956A1; WO0056939A1

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AT BE CH DE FR GB IT LI LU NL SE

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**EP 0104277 A1 19840404; EP 0104277 B1 19860326**; AT E18778 T1 19860415; CA 1204438 A 19860513; DE 3270132 D1 19860430; JP S59175900 A 19841004; JP S6257320 B2 19871130; US 4518436 A 19850521

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