

Title (en)

PREPARATION OF SEEDING CRYSTALS FOR MASSECUITE

Publication

EP 0104277 B1 19860326 (DE)

Application

EP 82201191 A 19820923

Priority

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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)

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Cited by

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