

Title (en)

PROCESS AND APPARATUS FOR THE CONTINUOUS CRYSTALLIZATION IN THE PREPARATION OF SUGAR

Publication

**EP 0201629 B1 19900919 (DE)**

Application

**EP 85114973 A 19851126**

Priority

DE 3517511 A 19850515

Abstract (en)

[origin: EP0201629A2] 1. Process for continuous crystallization by evaporation in a suspension comprising juice and crystals for sugar production, in which concentrated inflow solution and pied-de-cuite magma are continuously fed into a first treatment space and product magma is continuously drawn off from the last treatment space, with the suspension being guided successively through a plurality of mutually separated round treatment spaces and being subjected to an internal circulatory flow in each treatment space with simultaneous heat supply, and being supplied, with the level controlled, from the individual treatment spaces to the respectively next succeeding treatment space, characterized in that the suspension circulates once in each treatment space in a spiral path which is produced by the superposing of a restricted circular movement caused by feeding in further suspensions about the axis of the treatment space and of a circulatory movement generated by the airlift pump effect occurring in the heating region.

IPC 1-7

**B01D 9/02; C13F 1/02; C13G 1/00**

IPC 8 full level

**C13B 25/00** (2011.01); **C13B 30/02** (2011.01)

CPC (source: EP)

**C13B 30/022** (2013.01)

Cited by

AU2006341267B2; EA013155B1; EP0403441A3; US6991708B2; US7972445B2; WO2010038160A2; US7195674B2; WO0191875A1; WO2010038160A3; WO03016576A1; WO2007113849A1

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