

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

Designated contracting state (EPC)

DE FR IT NL

DOCDB simple family (publication)

EP 0201629 A2 19861120; EP 0201629 A3 19880824; EP 0201629 B1 19900919; DE 3517511 A1 19861120; DE 3517511 C2 19881124; DE 3579811 D1 19901025

DOCDB simple family (application)

EP 85114973 A 19851126; DE 3517511 A 19850515; DE 3579811 T 19851126