

Title (en)

PROCESS AND APPARATUS FOR SEPARATING LIQUID PARTS AND FINE GRANULAR PARTS FROM A SUGAR SUSPENSION

Publication

EP 0348639 A3 19910123 (DE)

Application

EP 89108356 A 19890510

Priority

DE 3822225 A 19880701

Abstract (en)

[origin: EP0348639A2] It is proposed for a process for separating liquid parts and fine granular parts from a sugar suspension to obtain the control variables for controlling the centrifuge from measurement of the surface density of the filtercake which is produced in the centrifuge during the centrifugation process. A radiometric measurement can be used for this in particular. It is possible to derive from the time course of the surface density plots based on such a measurement of surface density the relation with the physical composition of the filtercake at the time of measurement, from which in turn the control variables can be derived, for example for the addition of water and the length of the washing phase. <??>The control of a process of this type is therefore possible completely automatically and with optimal quality in a straightforward manner with a single continuous measurement. <IMAGE>

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C13F 1/04

IPC 8 full level

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CPC (source: EP US)

B04B 11/043 (2013.01 - EP US); **B04B 13/00** (2013.01 - EP US); **C13B 30/06** (2013.01 - EP US)

Citation (search report)

- [A] FR 2377231 A1 19780811 - FIVES CAIL BABCOCK [FR]
- [A] DE 3515915 A1 19861106 - BRAUNSCHWEIGISCHE MASCH BAU [DE]
- [A] US 3420374 A 19690107 - UMEDA HIDEYO
- [A] DE 945318 C 19560705 - BUCKAU WOLF MASCHF R

Cited by

DE102019106842A1; EP3722004A1; US11697854B2

Designated contracting state (EPC)

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DE 3822225 C1 19890720; EP 0348639 A2 19900103; EP 0348639 A3 19910123; US 5104453 A 19920414

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