

Title (en)
Purification method for raw beet juice

Title (de)
Reinigungsverfahren für rohen Zuckerrübensaft

Title (fr)
Procédé de purification de jus brut de betterave à sucre

Publication
EP 1046718 A1 20001025 (EN)

Application
EP 00107320 A 20000404

Priority
IT GE990043 A 19990421

Abstract (en)
Purification of sugar beet juice which can exploit the traditional process, without increasing the use of lime, without increasing the environmental effects due to sludge, with reduced carbon dioxide emissions : A purification method for the raw juice obtained by diffusion from sugar beets, comprises sequential stages of pre-defecation and defecation with calcium oxide, carbonation, filtration, a second carbonation, and additional filtration. Before pre-defecation, a great fraction of the raw juice obtained is taken out, pre-filtered, then passed to a membrane filtration stage. The permeate obtained is mixed to the clear juice of the first carbonation, and the mixture routed to the second filtration.
Purification method for raw juice obtained by diffusion from sugar beets, comprising the stages of pre-defecation and defecation with CaO, first carbonation, filtration, second carbonation and additional filtration; before said pre-defecation stage a great fraction of raw juice obtained by diffusion is taken out, subjected to a pre-filtration stage and subsequently to a stage of membrane filtration, the obtained permeate being mixed to the clear juice of first carbonation and said mixture being prepared for the second carbonation. <IMAGE>

IPC 1-7
C13D 3/06; **C13D 3/16**

IPC 8 full level
C13B 20/06 (2011.01); **C13B 20/16** (2011.01)

CPC (source: EP)
C13B 20/06 (2013.01); **C13B 20/165** (2013.01)

Citation (search report)

- [A] EP 0655507 A2 19950531 - APPLEXION [FR]
- [PA] EP 0957178 A2 19991117 - ERIDANIA S P A [IT]
- [A] GB 1361674 A 19740730 - DANSKE SUKKERFAB
- [A] US 3542591 A 19701124 - HABERICH WILHELM, et al
- [A] WO 8908635 A1 19890921 - WESTERN SUGAR COMPANY [US]

Cited by
WO2013020586A1

Designated contracting state (EPC)
AT BE DE DK ES FR GB NL

DOCDB simple family (publication)
EP 1046718 A1 20001025; **EP 1046718 B1 20021106**; AT E227348 T1 20021115; DE 60000701 D1 20021212; DE 60000701 T2 20030731; DK 1046718 T3 20021230; ES 2183760 T3 20030401; IT 1311938 B1 20020320; IT GE990043 A0 19990421; IT GE990043 A1 20001021

DOCDB simple family (application)
EP 00107320 A 20000404; AT 00107320 T 20000404; DE 60000701 T 20000404; DK 00107320 T 20000404; ES 00107320 T 20000404; IT GE990043 A 19990421