

Title (en)

Method and apparatus for preserving thick juice

Title (de)

Verfahren und Vorrichtung zur Konservierung von Dicksaft

Title (fr)

Procédé et appareil pour la conservation du jus dense

Publication

EP 0916738 A2 19990519 (DE)

Application

EP 98890259 A 19980908

Priority

AT 195497 A 19971118

Abstract (en)

Method for improving the storage stability of thick juice (with a sugar concentration of 65-70 wt.%) in a tank comprises covering the surface of the thick juice with a 1-5 mm layer of 10-30 wt.% aqueous alkali metal hydroxide solution. Also claimed is an apparatus for carrying out the above method, comprising a tank with a lid, an inlet and outlet for thick juice, and (a) a nozzle system for spraying the alkali onto the surface of the thick juice, or (b) alkali supply devices that are located above the liquid surface in the tank and are connected to inlets around the wall of the tank, or (c) alkali supply devices that are located above the liquid surface in the tank and have outlet openings that can be directed onto a body floating on the surface of the thick juice.

Abstract (de)

Zur Konservierung von Zucker-Dicksaft bei dessen Lagerung in Tanks wird die Dicksaftoberfläche mit einer wässrigen Alkalilauge einer Konzentration von 10 Gew.-% bis 30 Gew.-% in einer Dicke von 1 bis 5 mm überschichtet. Diese Laugenkonzentration ist für Mikroorganismen toxisch, erweist sich jedoch weder für die weitere Verarbeitung des Dicksaftes noch für den als Endprodukt erhaltenen Zucker als schädlich.

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C13D 1/00

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