

Title (en)

New canejuice displacement process

Title (de)

Neues Verfahren zur Verdrängung des Rohrsaftes

Title (fr)

Nouveau procédé de déplacement de jus de cane

Publication

**EP 0707078 A1 19960417 (EN)**

Application

**EP 94402832 A 19941209**

Priority

AU 7419594 A 19940926

Abstract (en)

1 - Industry concerned : Cane Sugar Manufacture 2 - Part of the process to which the invention pertains : Extraction of the sugar cane juice. 3 - In the prepared raw material (shredded cane) up to 94 % of the juice containing cells are open. If has a low bulk density and high void volume (filled with air> The gist of the invention is to take advantage of this specific structure to improve the efficiency of the extraction process by : Avoiding compaction to maintain high percolation rate Filling the voids with recirculated juice thus turning the solid mass of shredded cane into a free flowing mixture of cane and juice. Replacing,in three stages,the thick juice of cane by thinner juices and finally by water,in a true plug flow displacement process. Improving the efficiency the solid/liquid separation between stages by increasing hydrostatic head between the liquid mass in the extractor and the discharge tank. <IMAGE>

IPC 1-7

**C13D 1/02; C13D 1/04**

IPC 8 full level

**C13B 10/02** (2011.01); **C13B 10/04** (2011.01)

CPC (source: EP)

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Citation (search report)

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DOCDB simple family (publication)

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