

Title (en)
SUGAR BEET MEMBRANE FILTRATION PROCESS

Title (de)
MEMBRANFILTRATIONSVERFAHREN FUR ZUCKERRÜBEN

Title (fr)
PROCEDE DE FILTRATION PAR MEMBRANE DE BETTERAVES SUCRIERES

Publication
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Application
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Priority

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Abstract (en)
[origin: WO0114594A2] The present invention relates to a process for producing sugar from beets, comprising the steps of: (a) macerating beets or pieces thereof; (b) mechanically separating juice from the macerated beets; and (c) membrane filtering the separated juice, producing a retentate and a permeate. The mechanical extraction of juice can be done on a moving porous vacuum filtration belt with countercurrent flow of macerated beets and water. The pH of the vacuum extracted juice can be adjusted to at least about 7 by addition of sodium hydroxide. This process does not use conventional beet diffusion. No lime and no carbon dioxide are required to be contacted with the juice or the permeate in this process.

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