

Title (en)

UNIT FOR THE PRODUCTION OF ICING SUGAR FROM CRYSTALLINE SUGAR OR INVERT SUGAR

Title (de)

ANLAGE ZUR HERSTELLUNG VON PUDERZUCKER AUS KRISTALLZUCKER ODER INVERTIERTEM ZUCKER

Title (fr)

INSTALLATION DE PRODUCTION DE SUCRE EN POUDRE A PARTIR DE SUCRE CRISTALLISE OU DE SUCRE INVERTI

Publication

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Application

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Abstract (en)

[origin: WO02055743A2] During the fine-milling of sugar, the fine material deposited on the surfaces is amorphous and hygroscopic. Excess water which is taken up is released during the subsequent recrystallisation and can cause the formation of clumps. Conventionally, intricate additional measures have been necessary in order to avoid the above. According to the invention, a nozzle (8) for injecting steam is provided in a mill (3), or in a pneumatic supply line (6), connected thereto. The recrystallisation time is reduced by means of the injecting of steam. A pneumatic mixing head (15) is arranged in the frustum-shaped lower section (16) of a collecting chamber (7). Blasts of air are injected into the collecting chamber (7) at short intervals by means of the mixing head (15). The fine-milled sugar collecting there is thus aerated, whilst the recrystallisation continues. The excess water released during the recrystallisation is thus driven off. The icing sugar can be removed in recrystallised form and can be stored and transported without further treatment.

IPC 1-7

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