

Title (en)
CONTINUOUSLY OPERATING SUGAR CENTRIFUGE

Publication
EP 0263285 A3 19890726 (DE)

Application
EP 87112232 A 19870824

Priority
DE 3633890 A 19861004

Abstract (en)
[origin: US4804419A] A continuously operable sugar centrifugal is equipped with an upwardly opening conical centrifugal drum surrounded by a sugar collecting housing (3). The upper edge of the drum (1) is equipped with a sugar discharge flange which faces a rotatably mounted ring carrying a plurality of sugar crystal deflecting, spring elastically yielding, sheet metal members which may be mounted in a fixed position or in an adjustable position to the rotatable ring. In the embodiment with the adjustable sheet metal members, their angular position relative to the flight direction of the sugar crystals may be selected in accordance with particular requirements. The sheet metal members are so located that they function as sugar intercepting and deflecting elements. A ring conduit for applying a mashing liquid to the sheet metal members is arranged in a stationary position in parallel to the rotatable ring and axially spaced from the ring. The conduit is equipped with uniformly spaced exit openings for the discharge of mashing liquid onto the sheet metal members. A guide skirt or ring member may be so arranged as to guide the mashing liquid onto the sheet metal members, or so as to guide the liquid onto the sheet metal members and the sugar crystals into the collecting chamber.

IPC 1-7
B04B 3/00; **C13F 1/06**

IPC 8 full level
B04B 3/00 (2006.01); **C13B 30/06** (2011.01)

CPC (source: EP US)
B04B 3/00 (2013.01 - EP US); **B04B 11/02** (2013.01 - EP)

Citation (search report)

- [A] DE 2755130 A1 19790613 - SELWIG & LANGE MASCHF
- [A] FR 1379054 A 19641120 - FIVES LILLE CAIL
- [AD] DE 3129392 C1 19830331 - BRAUNSCHWEIGISCHE MASCHB ANSTA
- [AD] DE 2025828 A1 19711209 - BUCKAU WOLF MASCHF R

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0263285 A2 19880413; **EP 0263285 A3 19890726**; **EP 0263285 B1 19920603**; DE 3633890 A1 19880407; DE 3779544 D1 19920709; US 4804419 A 19890214

DOCDB simple family (application)
EP 87112232 A 19870824; DE 3633890 A 19861004; DE 3779544 T 19870824; US 10539487 A 19871005