

Title (en)
CENTRIFUGAL SEPARATIONS APPARATUS

Title (de)
ZENTRIFUGALE TRENNVORRICHTUNG

Title (fr)
APPAREIL DE SEPARATION CENTRIFUGE

Publication
EP 0742740 A4 19980422 (EN)

Application
EP 95908171 A 19950202

Priority
• AU 9500055 W 19950202
• AU PM376094 A 19940208

Abstract (en)
[origin: WO9521697A1] Centrifugal separations apparatus (10), for example for separating sugar from massecuite, including centrifuge means (11) having an inlet (32), a liquids discharge (31), a lip, a solids discharge (18), and a deflector (23) operatively associated with the solids discharge, wherein: a) the lip is adapted to operatively discharge solids being discharged from the centrifuge means (11) at a trajectory and the deflector (23) is adapted to interrupt the trajectory to decelerate and change the direction of travel of the solids, to prevent them impacting the walls of the chamber (24); or b) the deflector (23) is operatively associated with the lip of the centrifuge means (11) and cooperable with solids being discharged from the solids discharge whereby build-up of solids on the deflector is substantially prevented; or c) the lip configuration causes the trajectories of the discharging crystals to be relatively independent of their size and/or their residual syrup/moisture content; or d) including support means, such as a spider-like construction having one or more webs substantially parallel to the angular motion of the solids being discharged from the solids discharge, operatively supporting the centrifuge means whereby the impact area for solids discharged from the solids discharge may be minimized; or e) including blending means operatively associated with the solids discharge for blending solids discharged from the centrifugal separations apparatus.

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Citation (search report)
• [XAY] GB 918386 A 19630213 - BRAUNSCHWEIGISCHE MASCHB ANSTA
• [XY] US 2910184 A 19591027 - STRICH PHILIPPE P
• [XAY] FR 1379054 A 19641120 - FIVES LILLE CAIL
• [XY] US 2058739 A 19361027 - WILLIAM STONER
• [X] EP 0031549 A1 19810708 - STORK MASCHF NV [NL]
• [X] DE 1532688 B1 19700430 - BRAUNSCHWEIGISCHE MASCHB ANSTA
• See references of WO 9521697A1

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