

Title (en)  
SOLID BOWL CENTRIFUGE

Publication  
**EP 0160637 A3 19871028 (DE)**

Application  
**EP 85890100 A 19850426**

Priority  
AT 145284 A 19840502

Abstract (en)  
[origin: US4685899A] The solid jacket centrifuge is a plural chamber centrifuge (1). A housing (2) is, together with the centrifuge, stationarily supported, noting that a carrier (6) for cylindrical mantle surfaces (7 and 8) is provided within the housing (2). The cylindrical mantle surfaces (7 and 8) delimit annular chambers (9 and 10) and are shiftable in the direction of the axis of the shaft (3). There is further provided a screw conveyor (12) for introducing the material to be dewatered. The material to be dewatered enters the first annular chamber (9) via radial channels (15). By shifting the cylindrical mantle surface (7) in the axial direction, the material is discharged in a radial direction into the concentric greater annular chamber (10). When subsequently the mantle surface (8) is moved in the axial direction, discharge is again effected in the radial direction.

IPC 1-7  
**B04B 1/02**; **B04B 11/04**; **B04B 3/02**

IPC 8 full level  
**B04B 1/02** (2006.01); **B04B 1/20** (2006.01); **B04B 3/02** (2006.01); **B04B 11/04** (2006.01)

CPC (source: EP US)  
**B04B 1/02** (2013.01 - EP US); **B04B 3/02** (2013.01 - EP US); **B04B 11/04** (2013.01 - EP US)

Citation (search report)  
• [X] FR 351143 A 19050704 - GUSTAV TER MEER [DE]  
• [A] GB 257422 A 19260902 - ROBERT ALEXANDER STURGEON  
• [A] CH 436132 A 19670515 - MUELLER HANS [CH]  
• [A] DE 2228509 A1 19740103 - FLOTTWEG WERK BRUCKMAYER  
• [A] FR 2298759 A1 19760820 - MTU MUENCHEN GMBH [DE]  
• [A] US 3244362 A 19660405 - HEIN GEORGE N  
• [A] US 2138476 A 19381129 - JONES LEO D

Cited by  
AT389471B

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DE FR GB IT NL SE

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**EP 0160637 A2 19851106**; **EP 0160637 A3 19871028**; AT 387341 B 19890110; AT A145284 A 19880615; DK 195885 A 19851103; DK 195885 D0 19850501; JP S60241953 A 19851130; US 4685899 A 19870811

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