

Title (en)  
SOLID BOWL CENTRIFUGE

Publication  
**EP 0322516 A3 19900425 (DE)**

Application  
**EP 88115690 A 19880923**

Priority  
DE 3744093 A 19871224

Abstract (en)  
[origin: EP0322516A2] In a solid bowl centrifuge, in particular for separating media with different density or their mixtures and/or suspensions, which are difficult to separate into a comparatively lighter and at least one heavier phase, having a drum which is rotatably mounted on a shaft and forms in itself a settling basin, and having elements for feeding in the media to be separated and for discharging the separated phases, it is proposed that the discharge element (8) for the lighter phase (14) be led to an overflow (8a) on a drum end wall (16) and the discharge element (9) for the heavier phase (13) be constructed, starting from the lowest region (17) of the settling basin (3), with a conveying device (18) and be arranged so as to open into the discharge-side part of the hollow shaft (43b) of the expulsion body (6). In this arrangement, the conveying device (18) can be constructed as a compressed-air liquid syphon (37). <IMAGE>

IPC 1-7  
**B04B 1/20**

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

CPC (source: EP US)  
**B04B 1/20** (2013.01 - EP US); **B04B 2001/2083** (2013.01 - EP US); **B04B 2001/2091** (2013.01 - EP US)

Citation (search report)  
• [A] EP 0237067 A2 19870916 - KRAUSS MAFFEI AG [DE]  
• [A] US 4566873 A 19860128 - TODA TOSHIYUKI [JP]  
• [A] DE 3335873 A1 19850221 - KLOECKNER HUMBOLDT DEUTZ AG [DE]  
• [AD] DE 3317047 A1 19840105 - LEIPZIG CHEMIEANLAGEN [DD]

Cited by  
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