

Title (en)  
CENTRIFUGE FOR THE SEPARATION OF SOLID-LIQUID MIXTURES

Publication  
**EP 0115018 A3 19851030 (DE)**

Application  
**EP 83112794 A 19801015**

Priority  
• DE 2942451 A 19791020  
• DE 3036550 A 19800927

Abstract (en)  
[origin: US4339072A] A centrifuge is disclosed designed either as a solid bowl centrifuge or separator for separating solids/liquids mixtures. A centrifuge drum having an outer jacket is provided with apertures positioned in the jacket. Through the apertures at least a partial discharge of concentrated solids phase occurs thereto. A control device preferably in the form of a disk provides a surface spaced at a small interval from the apertures so as to prevent the flow of solids/liquids through the aperture except when a discontinuity such as a recess or cut-out in the surface occurs so as to allow flow through the aperture.

IPC 1-7  
**B04B 1/14**

IPC 8 full level  
**B04B 1/14** (2006.01); **B04B 1/20** (2006.01); **B04B 11/02** (2006.01)

CPC (source: EP US)  
**B04B 1/14** (2013.01 - EP US); **B04B 1/20** (2013.01 - EP US); **B04B 2001/2041** (2013.01 - EP US); **B04B 2001/2066** (2013.01 - EP US)

Citation (search report)  
• [YD] DE 2223711 A1 19731129 - HEINKEL MASCHINENBAU KG ERNST  
• [Y] DE 257173 C  
• [Y] DE 1950396 A1 19701105 - ALFA LAVAL AB  
• [A] FR 1352344 A 19640214 - SHARPLES CORP  
• [AD] FR 1359356 A 19640424

Cited by  
CN110918454A

Designated contracting state (EPC)  
DE FR GB IT SE

DOCDB simple family (publication)  
**EP 0115018 A2 19840808; EP 0115018 A3 19851030**; AU 538688 B2 19840823; AU 6325780 A 19810430; DD 153583 A5 19820120; DE 3069806 D1 19850124; DK 156815 B 19891009; DK 156815 C 19900305; DK 441780 A 19810421; EP 0027630 A1 19810429; EP 0027630 B1 19841212; US 4339072 A 19820713

DOCDB simple family (application)  
**EP 83112794 A 19801015**; AU 6325780 A 19801014; DD 22461380 A 19801016; DE 3069806 T 19801015; DK 441780 A 19801017; EP 80106240 A 19801015; US 19794380 A 19801017