

Title (en)
FILTER CENTRIFUGE FOR THE SEPARATION OF SUSPENSIONS

Publication
EP 0342455 B1 19930915 (DE)

Application
EP 89108187 A 19890505

Priority
DE 3817126 A 19880519

Abstract (en)
[origin: EP0342455A2] Filter centrifuges for the separation of suspensions, the drum of which has a corotating syphon device according to DPS 22 60 461, have the disadvantage that the filtration-accelerating action of the syphon device is destroyed by gas intrusions into the collecting space under the filter medium. Until now, this gas could only be expelled after each charge by backwashing through the filter medium once the solid had been removed. <??>The object consists in providing an outlet which permits the expulsion during filtration of gases which have penetrated the syphon space. <??>This object is achieved by means of a non-return valve (18) radially arranged within the syphon device, preferably on the drum floor and connected to the collecting space (11) or by an additional syphon device (17, 19, 20, 21) acting as non-return valve. <??>This device can be used on discontinuously operating filter centrifuges with rotation syphoning according to DPS 22 60 461, the housing inner space of which is at ambient pressure or is fed with compressed gas for the purpose of further accelerating the filtration. <IMAGE>

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B04B 3/00; B04B 15/08

IPC 8 full level
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CPC (source: EP US)
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