

Title (en)  
CENTRIFUGE WITH INSIDE-OUT FILTER

Title (de)  
STÜLPFILTERZENTRIFUGE

Title (fr)  
CENTRIFUGEUSE A FILTRE A RETOURNEMENT

Publication  
**EP 0939677 B1 20010103 (DE)**

Application  
**EP 97948818 A 19971028**

Priority  
• DE 19648511 A 19961122  
• EP 9705937 W 19971028

Abstract (en)  
[origin: WO9823380A1] A solids dryer (10) is positioned downstream from a centrifuge with inside-out filter (1), whereby the solid is dehumidified and dried in the centrifuge with inside-out filter by spinning, compressed gas compression and/or heat convection, and in the dryer by heat contact and/or heat convection. The centrifuge with inside-out filter and solids dryer are connected by a locking device (18) to form a single unit. Sensors (35, 63-69) measure the prevailing levels of dehumidification and dryness and determine other operating parameters. The sensors activate a common control unit (71) which regulates the operating parameters. The control unit independently regulates the operating parameters in such a way that the operating times for dehumidification and drying in the centrifuge with inside-out filter and the solids dryer are harmonized and that at the same time the mechanical spinning energy and thermal energies expended by the centrifuge with inside-out filter and the solids dryer are optimally distributed.

IPC 1-7  
**B04B 3/02**; B04B 15/12; B04B 13/00

IPC 8 full level  
**B04B 3/02** (2006.01); **B04B 13/00** (2006.01); **B04B 15/12** (2006.01)

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