

Title (en)

Device for separating the liquid portion from the solid portion in two-phase systems

Title (de)

Vorrichtung zum Trennen des Flüssiganteils vom Feststoffanteil von Zweiphasensystemen

Title (fr)

Dispositif pour separer la partie liquide de la partie solide dans des systemes à deux phases

Publication

EP 0685325 B1 19990901 (DE)

Application

EP 95106675 A 19950503

Priority

- DE 4415773 A 19940504
- US 51677895 A 19950818

Abstract (en)

[origin: EP0685325A2] The separating device has a two-stage structure with a first filter section and a second adjoining filter section. The first filter section produces a stationary filter cake layer on the filter assembly with a clearly higher solid content than the slime conveyed in the worm channel (5) which extends from the material supply (6) along the worm axis. The second filter section is built up of filters which have a higher abrasion strength than the filters fitted in the first section. The filters in the first section pref. comprise several layers of sintered-together fine mesh screen fabric or porous sinter metal whilst the filters in the second section are formed from porous ceramic such as silicon carbide or silicon nitride. <IMAGE>

IPC 1-7

B30B 9/12; **B30B 9/26**

IPC 8 full level

B30B 9/12 (2006.01); **B30B 9/26** (2006.01)

CPC (source: EP US)

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Cited by

CN115279579A; WO2021184051A1

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DOCDB simple family (publication)

EP 0685325 A2 19951206; **EP 0685325 A3 19960124**; **EP 0685325 B1 19990901**; US 5665232 A 19970909

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