

Title (en)

PRESSURE FILTRATION DEVICE AND METHOD EMPLOYING A DEPRESSURIZING CHAMBER AND MATERIAL TRANSPORT

Title (de)

VERFAHREN UND VORRICHTUNG ZUR DRUCKFILTRATION MIT DRUCKENTLASTUNGSRAUM UND MATERIALBEFÖRDERUNGSSYSTEM

Title (fr)

APPAREIL DE FILTRATION SOUS PRESSION ET PROCEDE UTILISANT UNE CHAMBRE DE DEPRESSURISATION ET MATERIAU DE TRANSPORT

Publication

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Application

EP 00936224 A 20000523

Priority

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- US 13564099 P 19990524

Abstract (en)

[origin: WO0071226A1] An assembly for separating solid phase material from a slurry that comprises a pressurized filtration unit including a vessel and filter media. A slurry (5) is fed to the filtration unit (10), where it is separated into a solid phase material and a liquid phase material. The filtration unit (10) has a solid outlet (12) for discharging the solid phase material to a material transport (15). The material transport (15) moves the solid phase material to a depressurizing chamber (20) that has a lower pressure than the filtration unit (10). As the solid phase material enters the depressurizing chamber (20), it is exposed to the lower pressure of that chamber. The material transport maintains (15) the pressure difference between the filtration unit (10) and the chamber (20). Subsequently, the depressurized solid phase material can be conveyed to other equipment for drying or other processing.

IPC 1-7

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