

Title (en)

DEVICE FOR DEWATERING AND DRYING SUSPENSIONS

Title (de)

VORRICHTUNG ZUM ENTWÄSSERN UND TROCKNEN VON SUSPENSIONEN

Title (fr)

DISPOSITIF POUR DESHYDRATER ET SECHER DES SUSPENSIONS

Publication

EP 0916065 A1 19990519 (DE)

Application

EP 97915449 A 19970327

Priority

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- EP 9701570 W 19970327

Abstract (en)

[origin: EP0979984A2] Sludge dewatering and drying assembly comprises: (1) a helical centrifuge in which the sludge is mechanically dewatered to form a sticky mass with a high residual water content, (2) a drying assembly into which the particles are ejected and exposed to vigorous agitation in hot gases resulting in the formation of smaller particles which form a dry particulate bulk solid. The dispersed particles are pre-dried by hot gases before they come into contact with the walls which are kept free of encrustation by baffles and blades generating turbulent gas flow.

IPC 1-7

F26B 5/08; **F26B 17/24**

IPC 8 full level

F26B 17/32 (2006.01); **B04B 1/20** (2006.01); **B04B 15/12** (2006.01); **F26B 3/12** (2006.01); **F26B 5/08** (2006.01); **F26B 7/00** (2006.01); **F26B 17/10** (2006.01); **F26B 17/24** (2006.01)

CPC (source: EP US)

B04B 1/20 (2013.01 - EP US); **B04B 15/12** (2013.01 - EP US); **F26B 3/12** (2013.01 - EP US); **F26B 5/08** (2013.01 - EP US); **F26B 7/00** (2013.01 - EP US); **F26B 17/107** (2013.01 - EP US); **F26B 17/24** (2013.01 - EP US)

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