

Title (en)

METHOD AND APPARATUS FOR TREATING LIME SLURRY FOR GRIT REMOVAL

Title (de)

VERFAHREN UND VORRICHTUNG FÜR DIE BEHANDLUNG VON KALKHYDRATBREI ZUR ENTFERNUNG VON KÖRNUNG

Title (fr)

PROCEDE ET DISPOSITIF DE TRAITEMENT DE LAIT DE CHAUX POUR LE DESSABLAGE

Publication

EP 1879675 A4 20101222 (EN)

Application

EP 06749528 A 20060406

Priority

- US 2006013074 W 20060406
- US 10606805 A 20050414
- US 27823306 A 20060331

Abstract (en)

[origin: WO2006113176A2] A method and apparatus is provided for conveying lime slurry, removing and controlling the amount of grit, and feeding lime slurry, wherein the lime slurry moves through a recirculation loop, and wherein gravity removal of grit from the lime slurry takes place. A stilling well is provided, inside or outside the slurry tank, either fixed in cross-sectional area or adjustable, but wherein the cross-sectional area of the stilling tank can be selected or adjusted to alter the flow velocity of slurry therethrough and the residence time of slurry therethrough, as slurry is delivered through the stilling well via a suction line located therein, whereby grit can be separated via gravity from slurry in the slurry tank prior to withdrawal of slurry through the stilling well.

IPC 8 full level

B01D 21/06 (2006.01)

CPC (source: EP)

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C-Set (source: EP)

B01D 21/30 + **B01D 21/2461** + **B01D 21/2488**

Citation (search report)

- [XDYI] US 4482528 A 19841113 - EMMETT ROBERT C [US]
- [IY] US 4416764 A 19831122 - GIKIS BENJAMIN J [US], et al
- [A] US 5368731 A 19941129 - PESOTINI JEFFREY C [US]
- See references of WO 2006113176A2

Cited by

CN110193218A; WO2020198698A1

Designated contracting state (EPC)

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