

Title (en)

SOLIDS SEPARATION AND SOLIDS FLOW CONTROL DEVICE

Title (de)

VORRICHTUNG ZUR FESTSTOFFABFÜHRUNG UND ZUR STEUERUNG DES FESTSTOFFDURCHFLUSSES

Title (fr)

DISPOSITIF DE SOUTIRAGE DES SOLIDES ET DE CONTROLE DU DEBIT DES SOLIDES

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Application

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Abstract (en)

[origin: WO9747379A1] A solids separation and solids flow control device particularly suitable for use in apparatuses, devices and equipment for continuously contacting a solid with a liquid, especially fluidised-bed and moving-bed columns (1), is disclosed. The device includes separating means (2) for cyclically and controllably separating the accumulated solids, means (e.g. a bypass circuit (7, 8) or an air-lift) for generating a flow or stream of liquid by means of a hydraulic imbalance to transfer solids in a working fluid from the apparatus to metering means (3) via the separating means, and transfer means (4, 40, 5, 6) for hydraulically and sequentially transferring the solid in the working fluid from the metering means (3) to the solid-liquid separation means. A plant including said separating device for continuously contacting a solid with a liquid, and an apparatus for continuously contacting a solid with a liquid, e.g. a fluidised-bed or moving-bed column, are also disclosed.

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