

Title (en)
HYDRAULIC CLASSIFYING PROCEDURE AND MEANS

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Abstract (en)
[origin: WO8606653A1] Hydraulic classifying procedure and apparatus wherein particulate material transported by a liquid is divided in a centrifugal field established in a cylindrical, substantially vertical classifying space (1) into a fines product consisting of lighter particles, this product becoming separated in the centre of the centrifugal field, and a coarse product consisting of heavier particles, which is separated on the outer margin of the centrifugal field and descends in a spiralling flow conforming to the margin of the field, to the lower end of the classifying space. As taught by the invention, the coarse product is removed from the centrifugal field through an annular gap (3) formed on the lower end of the classifying space (1), using in aid a separate liquid flow conducted tangentially in relation to the centrifugal field and running tangentially to said gap. The coarse product may be removed together with the liquid flow to a hydrocyclone (10) which separates the coarse product, whereafter the liquid can be returned to the classifying process to serve as fluid medium in the classification taking place in the centrifugal field.

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