

Title (en)

METHOD AND DEVICE FOR CONCENTRATING SUBSTANCES IN SOLID PARTICLE STATE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR KONZENTRATION VON STOFFEN IN EINEM FESTSTOFFPARTIKELZUSTAND

Title (fr)

PROCÉDÉ ET APPAREIL POUR LA CONCENTRATION DE MATIÈRES À L'ÉTAT DE PARTICULES SOLIDES

Publication

EP 1931476 B1 20111221 (FR)

Application

EP 06804565 A 20060927

Priority

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Abstract (en)

[origin: EP1767273A1] The procedure, designed to concentrate and separate fine particles (9, 10) of various solid substances of different densities, including minerals, consists of creating a pulp which is subjected to centrifuging and centripetal pulses. The centripetal pulses are created by injecting a fluid into the pulp in a direction that provides a component that is tangential to the centrifuging direction. The pulp is introduced into the centrifuging chamber (11) tangentially to its outer wall (2), and the denser fraction is withdrawn tangential to the same wall.

IPC 8 full level

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