

Title (en)

DEVICE AND METHOD FOR REMOVING SUSPENDED-MATERIAL PARTICLES

Title (de)

VORRICHTUNG UND VERFAHREN ZUM ENTFERNEN VON SCHWEBSTOFFTEILCHEN

Title (fr)

DISPOSITIF ET PROCÉDÉ POUR ENLEVER DES PARTICULES DE MATIÈRE EN SUSPENSION

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2011088491A1] The invention relates to a device (5) and method for removing suspended-material particles, in particular fine and very fine particles, from a water flow containing suspended-material particles in a pressurized water line (3) of a hydroelectric power plant (2), wherein a tubular element (6) that forms a flow channel (7) is provided in the pressurized water line (3), wherein the flow channel (7) extends substantially in the axial direction of the pressurized water line (3), and a stationary swirl-generating device (11) is arranged in the flow channel (7) in order to generate a flow component of the water flow perpendicular to a main flow direction (9), and a separating device (13) for separating the suspended-material particles carried radially outward due to the centrifugal force effect is provided after the swirl-generating device (11) in the flow direction.

IPC 8 full level

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Citation (search report)

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