

Title (en)

FLOCCULATION DEVICE AND METHOD FOR TREATING COLLOIDAL SUSPENSIONS

Title (de)

FLOCKUNGSEINRICHTUNG UND VERFAHREN ZUR KONDITIONIERUNG VON KOLLOIDALEN SUSPENSIONEN

Title (fr)

DISPOSITIF DE FLOCCULATION ET PROCEDE DE CONDITIONNEMENT DE SUSPENSIONS COLLOIDALES

Publication

EP 1432502 B1 20050713 (DE)

Application

EP 02779131 A 20020926

Priority

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- DE 10148760 A 20011002

Abstract (en)

[origin: US7135112B2] A flocculation apparatus and method for treating colloidal suspensions. The apparatus includes a suspension inlet, a suspension outlet and an inner cone mounted centrally in a conical outer housing. The inner cone and/or the outer housing is rotatable relative to one another and a gap for through-flow of suspensions is present between the inner cone and the outer housing. In the method, continuously measuring a flock size distribution of a suspension stream passed into the flocculation apparatus is provided. Additionally provided is axially displacing the inner cone and/or outer housing as a function of the flock size distribution and the suspension volume flow rate.

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IPC 8 full level

B01D 21/01 (2006.01); **B03D 3/06** (2006.01)

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Cited by

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