

ABSTRACT

METHODS FOR SEPARATING AND DEWATERING FINE PARTICLES

A process for cleaning and dewatering hydrophobic particulate materials is presented. The process is performed in two steps: 1) agglomeration of the hydrophobic particles in a first hydrophobic liquid/aqueous mixture; followed by 2) dispersion of the agglomerates in a second hydrophobic liquid to release the water trapped within the agglomerates along with the entrained hydrophilic particles.

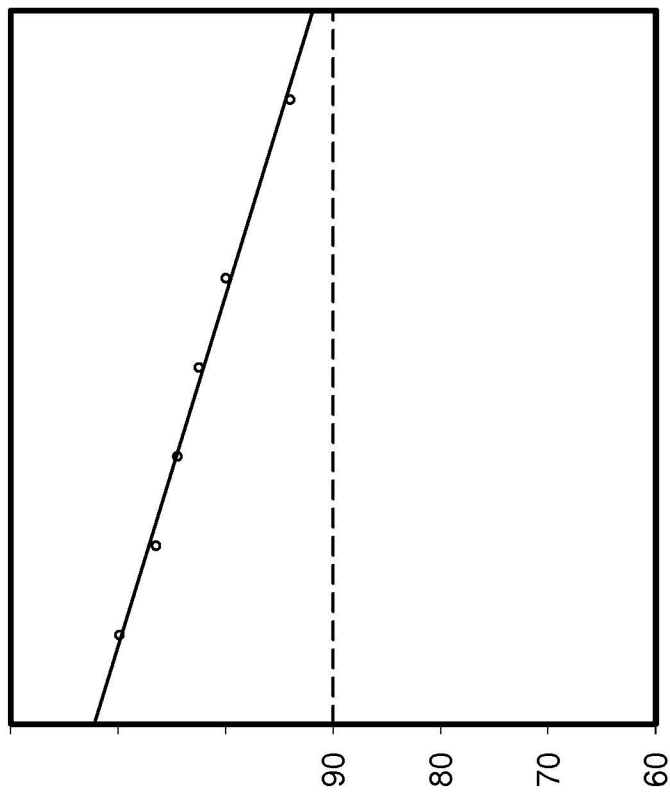


FIGURE 1

(Ramesh C. Dhawan)
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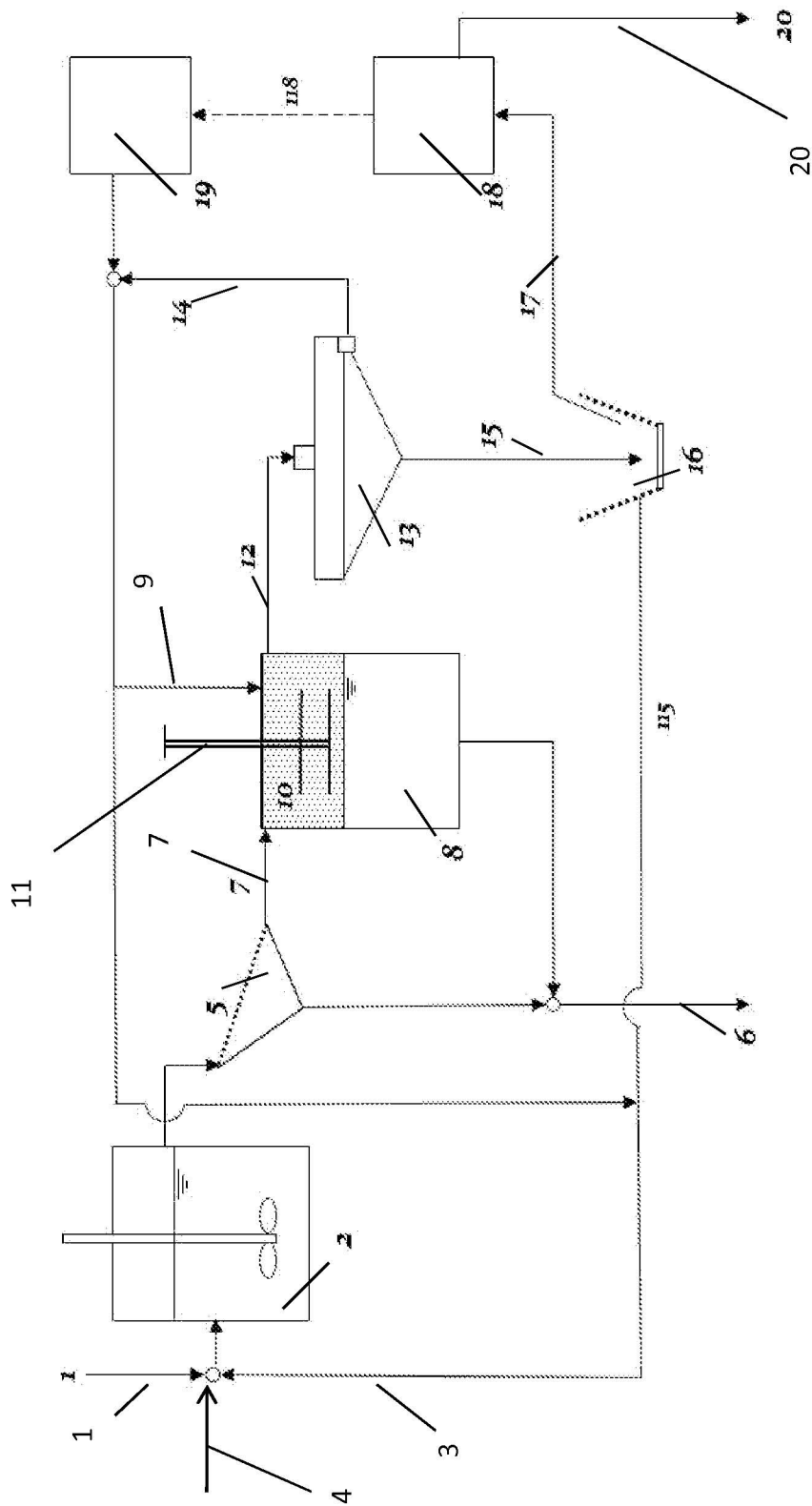


FIGURE 2

(Ramesh C. Dhawan)
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