

ABSTRACT

METHOD, SYSTEM AND APPARATUS FOR THE DEAGGLOMERATION AND/OR DISAGGREGATION OF CLUSTERED MATERIALS

A method of separating at least one cluster of a plurality of clustered particles of a specified material. The method includes: initiating the wetting of at least a portion of the plurality of cluster particles; disaggregating at least a portion of the wetted plurality of cluster particles into a disaggregated material including a plurality of smaller clusters, discrete particles or any combination thereof; and stabilizing at least a portion of the disaggregated material by reducing, eliminating or replacing specified controlling attractive forces. A system and apparatus for separating at least one cluster of a plurality of clustered particles of a specified material are also disclosed.

Figure 6