

ABSTRACT

## REGULAR-SHAPED PARTICLES OF ACTIVATED CLAY, METHOD OF PRODUCING THE SAME AND USE THEREOF

The invention provides a method of producing activated regular-shaped clay particles comprising the steps of adjusting the particle size of the dioctahedral smectite clay minerals to possess a volume-based median diameter ( $D_{50}$ ) of from 1 to 10  $\mu\text{m}$  as found by a laser diffraction method, mixing an acid-soluble or acid-decomposing inorganic compound to the milled product thereof, granulating the mixture into regular particles having a volume-based median diameter ( $D_{50}$ ) of from 10 to 60  $\mu\text{m}$  as found by a laser diffraction method, and treating the regular-shaped particles with an acid while maintaining the particle shapes.

Fig. 1

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