

Title (en)

PREPARATION OF STABILIZED ALUMINA HAVING ENHANCED RESISTANCE TO LOSS OF SURFACE AREA AT HIGH TEMPERATURES.

Title (de)

HERSTELLUNG VON STABILISIERTEM ALUMINIUMOXID MIT ERHÖHTEM WIDERSTAND GEGEN OBERFLÄCHEVERLUST AUF HOHEN TEMPERATUREN.

Title (fr)

PREPARATION D'ALUMINE STABILISEE PRESENTANT UNE RESISTANCE ACCRUE A LA PERTE DE SUPERFICIE AUX TEMPERATURES ELEVEES.

Publication

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Application

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Abstract (en)

[origin: WO9317968A1] A process for preparing stabilized alumina having increased surface area retention at high temperature in which a gel of a boehmite alumina which has been obtained by hydrothermally treating an aqueous mixture of a precursor boehmite alumina having a pH of from about 5 to about 9 for a period of time sufficient to convert the greater portion of the precursor boehmite alumina to a colloidal sol is subjected to working as, for example, by using a sufficient shearing force for a sufficient period of time to produce a worked boehmite alumina which has an increase in pore volume of at least about 30 percent and an increase of median pore radius of at least about 20 percent, a stabilizer being added to the boehmite alumina, the stabilizer being an oxide of a metal such as barium or a metal included in the lanthanide series of metals or a compound of such metals which converts to an oxide at elevated temperatures.

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- See references of WO 9317968A1

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