Title (en)

METHOD OF PREPARING A CONTROLLED POROSITY GEOPOLYMER, THE RESULTING GEOPOLYMER AND THE VARIOUS APPLICATIONS THEREOF

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES GEOPOLYMERS MIT GESTEUERTER POROSITÄT, AUF DIESE WEISE HERGESTELLTES GEOPOLYMER UND VERSCHIEDENE ANWENDUNGEN DAFÜR

Title (fr)

PROCÉDÉ DE PRÉPARATION D'UN GÉOPOLYMÈRE A POROSITÉ CONTRÔLÉE, LE GÉOPOLYMÈRE AINSI OBTENU ET SES DIFFERENTES APPLICATIONS

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Application

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Priority

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Abstract (en)

[origin: WO2009050196A1] The present invention relates to a method of preparing a controlled porosity geopolymer, with a step of dissolution/ polycondensation of an aluminosilicate source in an activation solution, comprising the following successive steps: (a) defining a feature of the porosity of the geopolymer to be prepared; (b) determining a value or an element for a parameter chosen from the total amount of water, the total amount of silica, the compensating cation, and the particle size distribution of the optional silicate components, making it possible to obtain the feature defined in step (a); and (c) selecting said value or said element pre-determined in step (b). The present invention relates to a geopolymer capable of being prepared by said method and also to the various uses of said geopolymer.

IPC 8 full level

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US 2006251909 A1 20061109 - BEALL GEORGE H [US], et al

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