

Title (en)
SOLID MATERIAL HAVING AN OPEN MULTIPLE POROSITY, COMPRISING A GEOPOLYMER AND SOLID PARTICLES, AND METHOD FOR THE PREPARATION THEREOF

Title (de)
FESTES MATERIAL MIT OFFENER MEHRFACHPOROSITÄT MIT EINEM GEOPOLYMER SOWIE FESTE TEILCHEN UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)
MATERIAU SOLIDE A POROSITE MULTIPLE OUVERTE COMPRENANT UN GEOPOLYMER ET DES PARTICULES SOLIDES ET SON PROCEDE DE PREPARATION

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Abstract (en)
[origin: WO2021152248A1] The invention relates to solid material which has an open multiple porosity and is at least partially interconnected, comprising an inorganic matrix made of a microporous and mesoporous geopolymer, in which at least partially interconnected open macropores are provided which are delimited by partitions or walls made of a microporous and mesoporous geopolymer, and comprising particles of at least one solid compound different from the geopolymer, which are distributed in the macropores and/or in the partitions or walls. A method for the preparation of said material is also disclosed. The invention also relates to a method for separating at least one metal or metalloid cation from a liquid medium containing same, wherein said liquid medium is brought into contact with said material.

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