

Search history

Search PN=(co20160005577) (Results 1)

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Search geopolymeric and refractory (Results 2)

3:

Title: **REFRACTORY GEOPOLYMERIC** COMPOSITE WITH LOW BULK SPECIFIC GRAVITY FOR STRUCTURAL ELEMENTS OF FIRE CUTOFFS

Abstract: Source: CZ305741B The present invention relates to a **refractory geopolymeric** composite consisting of both a solid component and a liquid component of a **geopolymeric** binder forming a matrix and further it comprises reinforcing structures having the function of filler. The invention is characterized in that the solid component of the **geopolymeric** binder is comprised of raw materials containing metakaolin and/or ground blast furnace granulated slag in an amount of 35 percent by weight to 60 percent by weight, the liquid component of the **geopolymeric** binder is comprised of sodium silicate aqueous solution in an amount of 35 percent by weight 45 percent by weight. The solid component, having the function of a filler, is a basalt fibrous material and/or a recycled carbon fibrous material and/or cut glass fibers in an amount of 1 percent by weight to 20 percent by weight, wherein the last component of the invented **refractory geopolymeric** composite is pure aluminium powder or aluminium paste in an amount in the range of 1 percent by weight to 2 percent by weight. The raw material containing metakaolin and/or the ground blast furnace granulated slag can be mixed with fly ash in the maximum possible ratio 2:1.

Classifications:

International (IPC 8-9): C04B18/14 C04B18/16 C04B28/26 C04B38/02 (Advanced/Invention);
C04B111/28 (Advanced/Non-invention)

CPC: Y02P40/165 Y02W30/94 Y02W30/95

Family:

Publication number	Publication date	Application number	Application date
CZ20150037 A3	20160224	CZ20150000037	20150122
CZ305741 B6	20160224	CZ20150000037	20150122

Priority:

CZ20150000037 20150122

Probable Assignee: TECHNICKA UNIVERZITA V LIBERCI

Assignee(s): (std): TECHNICKA UNIVERZITA V LIBERCI

Inventor(s): (std): BAKALOVA TOTKA ; LOUDA PETR

Title: **REFRACTORY GEOPOLYMERIC** COMPOSITE OF LOW BULK SPECIFIC GRAVITY FOR STRUCTURAL ELEMENTS OF FIRE-PROTECTING BARRIERS

Classifications:

International (IPC 8-9): C04B18/08 C04B18/14 C04B18/16 C04B28/22 C04B33/04 C04B33/135 C04B33/138 C04B35/16 (Advanced/Invention)

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Probable Assignee: TECHNICKA UNIVERZITA V LIBERCI

Assignee(s): (std): TECHNICKA UNIVERZITA V LIBERCI

Inventor(s): (std): BAKALOVA TOTKA ; LOUDA PETR