

Title (en)

PYROPROCESSED AGGREGATES COMPRISING IBA AND LOW CALCIUM SILICOALUMINOUS MATERIALS AND METHODS FOR PRODUCING SUCH AGGREGATES

Title (de)

BEI HOHEN TEMPERATUREN VERARBEITETE ZUSCHLÄGE, ENTHALTEND IBA UND CALCIUMARME SILICIUM UND ALUMINIUM ENTHALTENDE MATERIALIEN UND VERFAHREN ZUR HERSTELLUNG DERARTIGER AGGREGATE

Title (fr)

AGREGATS PYROTRAITES COMPRENANT DES CENDRES DE FOND D'INCINERATEUR (IBA) ET DES MATIERES SILICOALUMINEUSES A FAIBLE TENEUR EN CALCIUM ET PROCEDES POUR PRODUIRE DE TELS AGREGATS

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Application

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Abstract (en)

[origin: WO2006074945A2] In accordance with an embodiment, a method for producing an aggregate is disclosed comprising mixing IBA and a second, silicoaluminous material having a calcium content less than the IBA. The method further comprises agglomerating the mixture, such as by pelletizing, and pyroprocessing the agglomerates, such as by sintering or vitrification, to form the aggregate. The second material may be a clay, such as bentonite or kaolin, a mining waste, such as granite sawing residues, waste glass, or furnace bottom ash, for example. The addition of the second material has been found to facilitate production of lightweight and normal weight aggregates. A plastic binder, such as clay, may be added to the mixture, as well. Preferably, the IBA or the mixture of IBA and the second material are wet milled prior to agglomeration. A lightweight sintered aggregate comprising IBA and the second material and an aggregate comprising IBA and the second material are also disclosed.

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