



Espacenet

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### CERAMIC COMPOSITION WITH FROST RESISTANCE AND PROCESS FOR PREPARING THEREOF

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### Zusammenfassung von LT2012039 (A)

The present invention relates to construction industry, in particular, ceramic masonry (clinker bricks, floor blocks). The ceramics claimed is characterized by low water absorption and high frost-resistance and can be exploited at a harsh environment conditions when masonry or its elements due to climatic conditions are subjected to long lasting effects of water absorption and fluctuations of temperature. The invention claimed aims to increase the compressive strength and frost-resistance of ceramics made of fusible clay. The composition of formation mixture is as follows: fusible illitic clay - (70-90) %, thinning additive - melt of mineral wool processing waste - (10-30) %. Semi-manufactures made of formation mixture are subjected to burning at (1060 ±5) °C. Ceramic masonry elements obtained are characterized with low water absorption, high frost-resistance and durability.