

Title (en)

METHOD OF COMMINUTING AND CRUSHING CONGLOMERATED SOLIDS INTO NON-METALLIC OR PARTIALLY METALLIC COMPONENTS AND FOR COMMINUTING HOMOGENEOUS NON-METALLIC SOLIDS

Title (de)

VERFAHREN ZUR ZERKLEINERUNG UND ZERTRÜMMERUNG VON AUS NICHTMETALLISCHEN ODER TEILWEISE METALLISCHEN BESTANDTEILEN KONGLOMERIERTEN FESTKÖRPERN UND ZUR ZERKLEINERUNG HOMOGENER NICHTMETALLISCHER FESTKÖRPER

Title (fr)

PROCEDE PERMETTANT DE BROIER ET DE FRAGMENTER DES SOLIDES CONGLOMERES EN CONSTITUANTS NON METALLIQUES OU PARTIELLEMENT METALLIQUES ET DE BROIER DES SOLIDES NON METALLIQUES HOMOGENES

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Application

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Abstract (en)

[origin: DE19534232A1] The invention concerns a method of comminuting and crushing solids which may be partially metallic such as, for example, blocks of reinforced concrete. In contrast to the known electrohydraulic method, in which comminution is brought about by the effect of shock waves applied to the solids from the exterior, with the novel method the solid is exploded as a result of shock waves being produced therein. This occurs by observing various sets of parameters with respect to breakdown voltage amplitude, a minimum time for reaching this amplitude and the greatest possible input of energy into the solid. With minimum expenditure of energy, this method achieves the same result as the purely electrohydraulic method which consumes far greater amounts of energy.

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