

Title (en)

GAS-GENERATING PYROTECHNICAL MONOLITHIC BLOCKS

Title (de)

GASERZEUGENDE PYROTECHNISCHE MONOLITHISCHE BLÖCKE

Title (fr)

BLOCS MONOLITHIQUES PYROTECHNIQUES GÉNÉRATEURS DE GAZ

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2016001549A1] The present invention relates mainly to substantially cylindrical gas-generating pyrotechnical monolithic blocks, characterised by having: a thickness no lower than 10 mm, an equivalent diameter no lower than 10 mm, and a porosity lower than 5%; and a composition, given as weight percentages, which contains, for at least 94% of the weight thereof: + 77.5% to 92.5% of guanidine nitrate, + 5% to 10% of basic copper nitrate, and + 2.5% to 12.5% of at least one inorganic titanate with a melting temperature higher than 2100 K. Said blocks are particularly efficient, in particular as regards their combustion temperature and speed (low), the ease with which they can be obtained, and their gas yield.

IPC 8 full level

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