

Title (en)

GAS-GENERATING PYROTECHNICAL MONOLITHIC BLOCKS

Title (de)

GASERZEUGENDE PYROTECHNISCHE MONOLITHISCHE BLÖCKE

Title (fr)

BLOCS MONOLITHIQUES PYROTECHNIQUES GÉNÉRATEURS DE GAZ

Publication

**EP 3160922 B1 20180829 (FR)**

Application

**EP 15736572 A 20150629**

Priority

- FR 1456162 A 20140630
- FR 2015051753 W 20150629

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

**C06B 23/00** (2006.01); **C06B 45/00** (2006.01); **C06D 5/06** (2006.01)

CPC (source: CN EP US)

**C06B 23/007** (2013.01 - CN EP US); **C06B 45/00** (2013.01 - CN EP US); **C06D 5/06** (2013.01 - CN EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**FR 3022906 A1 20160101**; **FR 3022906 B1 20160715**; CN 107074673 A 20170818; CN 107074673 B 20190305; EP 3160922 A1 20170503; EP 3160922 B1 20180829; JP 2017530920 A 20171019; JP 6657128 B2 20200304; US 2017158576 A1 20170608; US 9868678 B2 20180116; WO 2016001549 A1 20160107

DOCDB simple family (application)

**FR 1456162 A 20140630**; CN 201580035862 A 20150629; EP 15736572 A 20150629; FR 2015051753 W 20150629; JP 2016576065 A 20150629; US 201515322905 A 20150629