

Title (en)

GAS-GENERATING PYROTECHNIC COMPOUND AND PRODUCTION PROCESS.

Title (de)

PYROTECHNISCHE VERBINDUNG ZUR GASERZEUGUNG UND SCHUTZVERFAHREN DAFÜR

Title (fr)

COMPOSE PYROTECHNIQUE GENERATEUR DE GAZ; PROCEDE D'OBTENTION

Publication

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Application

EP 08805727 A 20080430

Priority

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- FR 0754809 A 20070502

Abstract (en)

[origin: WO2008145935A2] The present invention relates to gas-generating pyrotechnic compounds and to a process for producing them. Said compounds have a composition comprising: an oxidizing filler, comprising at least one inorganic perchlorate and not containing a chlorine scavenger; and a crosslinked oxygen-containing hydrocarbon binder obtained by crosslinking an elastomer in the presence of at least one crosslinking agent and at least one oxygen-containing plasticizer for said elastomer, said elastomer having a molecular mass greater than 200 000 and preferably being chosen from polyesters and polyacrylates, said at least one oxygen-containing plasticizer consisting of a plasticizer having a molecular mass greater than 350 g/mol and the balance of oxygen equal to or greater than -230 %, as a mixture of such plasticizers or as a mixture of at least one such plasticizer with at least one other oxygen-containing plasticizer. Said compounds may be produced continuously by extrusion.

IPC 8 full level

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