Title (en)
OPTO-PYROTECHNIC INITIATOR

Title (de)
OPTO-PYROTECHNISCHER INITIATOR

Title (fr)
INITIATEUR OPTO-PYROTECHNIQUE

Publication
EP 3417233 A1 20181226 (FR)

Application
EP 17709154 A 20170214

Priority
• FR 1651339 A 20160218
• FR 2017050332 W 20170214

Abstract (en)
[origin: WO2017140978A1] A method for producing an opto-pyrotechnic initiator (100) comprises the following steps: a) moulding of a body (110) comprising a cavity (111) in which a pyrotechnic load (105) is intended to be housed, the body further comprising an inner passage (112) extending between an inlet (113), opening on an outer face of said body, and the cavity (111) enclosing the pyrotechnic load (105), b) placing a first portion (121) of an optical fibre (120) in the inner passage (112) of the body (110), a second portion (122) of the optical fibre (120) extending beyond the inlet (113) of the body (110), a glass preform (140) being interposed between the optical fibre (120) and the inlet (113) of the body (110), c) thermally treating the glass preform (140) at a temperature greater than the melting point of said glass preform, in such a way as to mould a hermetic glass seal (150) between the optical fibre (120) and the inlet (113) of the body (110).

IPC 8 full level
F42B 3/113 (2006.01); **F42B 3/195** (2006.01); **F42C 19/08** (2006.01)

CPC (source: EP US)
F42B 3/113 (2013.01 - EP US); **F42B 3/195** (2013.01 - EP US); **F42C 19/08** (2013.01 - EP)

Citation (search report)
See references of WO 2017140978A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2017140978 A1 20170824; EP 3417233 A1 20181226; EP 3417233 B1 20200401; FR 3048076 A1 20170825; FR 3048076 B1 20180316; US 10663267 B2 20200526; US 2019339048 A1 20191107

DOCDB simple family (application)
FR 2017050332 W 20170214; EP 17709154 A 20170214; FR 1651339 A 20160218; US 201715998928 A 20170214