

Title (en)
OPTICALLY TRACKED PROJECTILE

Title (de)
OPTISCH VERFOLGTES GESCHOSS

Title (fr)
PROJECTILE À SUIVI OPTIQUE

Publication
EP 3559589 A4 20200826 (EN)

Application
EP 17886272 A 20171219

Priority
• US 201615386555 A 20161221
• US 2017067238 W 20171219

Abstract (en)
[origin: WO2018125661A2] A projectile, that can be tracked by optical means, is fitted with a special tracer incorporated into the projectile's trailing edge. The rearward facing special tracer is incorporated into a metal disk which is crimped to the projectile's metal jacket. The special tracer includes micro-prismatic features that reflect light at the incidence angle. Alternatively, the disk incorporates a fluorescent dye that is responsive to a laser emission. External emitted radiation is reflected or re-emitted from the trailing edge of the projectile, allowing for an external electro-optic tracking device to identify the position of the projectile in flight.

IPC 8 full level
F42B 5/02 (2006.01); **F42B 12/38** (2006.01); **F42B 12/78** (2006.01)

CPC (source: EP)
F42B 12/382 (2013.01); **F42B 12/387** (2013.01); **F42B 12/78** (2013.01)

Citation (search report)
• [X] US 2015308802 A1 20151029 - CHUA KANG-BIN [US], et al
• [A] US 8402896 B1 20130326 - HOLLERMAN WILLIAM ANDREW [US], et al
• [A] WO 2014186049 A2 20141120 - KMS CONSULTING LLC [US]
• [A] US 2016209188 A1 20160721 - NUGENT JR THOMAS J [US], et al
• [A] US 338849 A 18860330
• See references of WO 2018125661A2

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)
WO 2018125661 A2 20180705; WO 2018125661 A3 20181004; EP 3559589 A2 20191030; EP 3559589 A4 20200826;
EP 3559589 B1 20230607; EP 3559589 C0 20230607; ES 2954074 T3 20231120

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