

Title (en)
HIGH ILLUMINANCE LUMINESCENCE LIGHT FOR OCULAR DISRUPTION OR INTERRUPTION AND VISUAL INCAPACITATION

Title (de)
BELEUCHTUNG MIT HOHER LUMINESZENZ FÜR OKULARE DISRUPTION ODER UNTERBRECHUNG UND VISUELLE UNTAUGLICHKEIT

Title (fr)
LUMIÈRE DE LUMINESCENCE À ÉCLAIREMENT ÉLEVÉ POUR RUPTURE OU INTERRUPTION OCULAIRE ET INCAPACITÉ VISUELLE

Publication
EP 3479049 A4 20200325 (EN)

Application
EP 17790310 A 20170426

Priority

- US 201662328705 P 20160428
- US 2017029549 W 20170426

Abstract (en)
[origin: WO2017189668A1] The present method and device is an optical apparatus for creating scotomatic glare/flash blindness/photostress incapacitation when directed at animal and/or human targets. The device has an assembly with a head portion, one or more light windows, one or more optical systems for collimating and transmitting light; one or more luminescence light generating sources generating light of about 200nm to 900nm; a recycling optical system to recycle stray light, focus, collimate and project the light; an electronic circuit connected to the one or more light generating sources that regulates and modulates the power, current or voltage output to the one or more light generating sources; a thermal management system to regulate the temperature of the luminescence light generating sources and the electronic circuit; and a power source connected to the electronic circuit and/or removably secured within the assembly.

IPC 8 full level
F41H 13/00 (2006.01); **F21L 4/02** (2006.01); **F21V 9/06** (2018.01); **F41A 33/02** (2006.01)

CPC (source: EP)
F41H 13/0056 (2013.01); **F41H 13/0087** (2013.01)

Citation (search report)

- [I] US 8419213 B1 20130416 - RUBTSOV VLADIMIR [US], et al
- [I] US 2011116257 A1 20110519 - EISENBERG TODD [US], et al
- [I] WO 2010056375 A1 20100520 - ALFALIGHT INC [US], et al
- [A] US 2011273862 A1 20111110 - LI KENNETH [US], et al
- [A] US 2004233655 A1 20041125 - ZIMMERMAN SCOTT MOORE [US], et al
- [A] US 2008013311 A1 20080117 - RUBTSOV VLADIMIR [US]
- See references of WO 2017189668A1

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 2017189668 A1 20171102; EP 3479049 A1 20190508; EP 3479049 A4 20200325; JP 2019515232 A 20190606; JP 2022069695 A 20220511

DOCDB simple family (application)
US 2017029549 W 20170426; EP 17790310 A 20170426; JP 2018556468 A 20170426; JP 2022043946 A 20220318