

Title (en)

Method and apparatus for protection against individuals by remotely inducing disturbing sensations

Title (de)

Verfahren und Vorrichtung zum Schutz gegen Individuen durch Induktion störender Gefühle aus einer Entfernung

Title (fr)

Procédé et dispositif de protection contre des individus par induction à distance de sensations perturbantes

Publication

EP 1396699 A3 20040512 (FR)

Application

EP 03102627 A 20030822

Priority

FR 0211071 A 20020906

Abstract (en)

[origin: EP1396699A2] The laser deterrent system includes a laser gun carried by an operator with a battery power backpack, producing laser radiation which caused excitation of water molecules in the skin of criminals to be intercepted. This produces a disturbing sensation in the skin of the victim without causing permanent damage. The protection system uses a laser system mounted in a box (11) with a source of power (12), the laser itself being carried by the operator (13) whilst the power source may be mounted in a back pack. The laser action is started and stopped manually by the operator rather like a torch, and may be directed at a group of people to be controlled. The laser has a wavelength such that the energy is absorbed by the molecules of water held within the cells of the skin: the wavelength for this strong water absorption is in the region of 2 micro meters. The laser energy may be continuous or pulsed, and may be derived from a laser operating with a rare earth material.

IPC 1-7

F41H 13/00

IPC 8 full level

F41H 13/00 (2006.01)

CPC (source: EP)

F41H 13/0068 (2013.01)

Citation (search report)

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- [X] WO 9924755 A1 19990520 - SCIENCE & ENGINEERING ASSOCIAT [US]
- [X] GB 2346432 A 20000809 - DELCASSIAN LAWRENCE [GB]
- [X] US 5617444 A 19970401 - HOUDE-WALTER WILLIAM R [US]
- [X] DE 29821468 U1 19990429 - MERLAKU KASTRIOT [DE]

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