Title (en)

METHOD FOR DEFENCE AGAINST AND/OR DISTURBANCE OF OBJECTS

Title (de)

VERFAHREN ZUR ABWEHR UND / ODER STÖRUNG VON OBJEKTEN

Title (fr)

PROCÉDÉ SERVANT À DÉVIER DES OBJETS ET/OU À CAUSER DES INTERFÉRENCES SUR DES OBJETS

Publication

**EP 3120105 B1 20211006 (DE)**

Application

**EP 15710460 A 20150306**

Priority

- DE 102014103778 A 20140319
- EP 2015054770 W 20150306

Abstract (en)

[origin: WO2015139974A1] The invention relates to a method for defence against and/or disturbance of objects (1), missiles or IED that each contain electronics (8) having at least one semiconductor component (10) having a non-linear boundary layer transition (9), wherein the object (1) is irradiated with at least one radio-frequency disturbance signal (3, 4). In order to prompt the irradiation, by means of disturbance signals (3, 4), of an object (1) that is to be repelled, the frequencies of said signals being in the GHz range, to cause the mission of the irradiated object (1) to be aborted, the object (1) is simultaneously irradiated with at least two disturbance signals (3, 4) of different frequency (fi, f2), wherein the frequencies (fi, f2) of the disturbance signals (3, 4) are chosen to be of such a high level that the disturbance signals (3, 4) are beneficially coupled in even through the outer shell (7) of the object (1), and that the frequency difference (f2- f1) between the two disturbance signals (3, 4) is chosen such that the semiconductor component (10) having a non-linear boundary layer transition (9) produces induced secondary radio-frequency signals (MHz) that influence the electronics (8) to such an extent that the mission of the object (1) is aborted.

IPC 8 full level

**F41H 13/00** (2006.01); **F41H 11/02** (2006.01)

CPC (source: EP)

**F41H 11/02** (2013.01); **F41H 13/0068** (2013.01)

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 2015139974 A1 20150924**; DE 102014103778 A1 20150924; DE 102014103778 B4 20230420; EP 3120105 A1 20170125; EP 3120105 B1 20211006

DOCDB simple family (application)

**EP 2015054770 W 20150306**; DE 102014103778 A 20140319; EP 15710460 A 20150306