

Title (en)
Anti-theft device for electrical cables

Title (de)
Diebstahlschutzvorrichtung für Elektrokabel

Title (fr)
Dispositif antivol pour câbles électriques

Publication
EP 2608172 A1 20130626 (EN)

Application
EP 12198220 A 20121219

Priority
IT PD20110401 A 20111220

Abstract (en)
An anti-theft device (10) for electrical cables, which comprises two toroidal transformers (11, 12) which are arranged so that each one surrounds an end portion of an electrical line (D): - a first toroidal transformer (11), at a first end of the electrical line, for transmitting an electrical control signal, - a second toroidal transformer (12), at the opposite end of the electrical line, for receiving the control signal. The first toroidal transformer (11) and the second toroidal transformer (12) are connected to a control unit (13) for controlling and managing the signals emitted by the first transformer (11) and for detecting and interpreting the signals received by the second transformer (12). The device (10) comprises a capacitor (14) for the passage of the AC signal to be interposed between two non-connected electrical cables (E, F) of consecutive portions of the electrical line (D).

IPC 8 full level
G08B 13/14 (2006.01)

CPC (source: EP)
G08B 13/1418 (2013.01)

Citation (search report)

- [A] WO 2011151672 A1 20111208 - SOLAREEDGE TECHNOLOGIES LTD [IL], et al
- [A] WO 2009026602 A1 20090305 - FRONIUS INT GMBH [AT], et al
- [A] WO 2008043814 A1 20080417 - ELETTRONICA SANTERNO S P A [IT], et al

Cited by
EP2991051A1; JP2023110396A; CN105741468A; CN112071003A

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)
EP 2608172 A1 20130626; IT PD20110401 A1 20130621

DOCDB simple family (application)
EP 12198220 A 20121219; IT PD20110401 A 20111220