

Title (en)  
MONITORING APPARATUS

Title (de)  
ÜBERWACHUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF DE SURVEILLANCE

Publication  
**EP 2427940 A1 20120314 (DE)**

Application  
**EP 10721270 A 20100428**

Priority  
• AT 2010000132 W 20100428  
• AT 6992009 A 20090507

Abstract (en)  
[origin: WO2010127375A1] In order to ascertain or prevent unauthorized operation of an electric load in an electric power supply grid, the invention proposes for a monitoring apparatus (1) for ascertaining a power consumption authorization of a first electric load (3) connected to an electric power supply grid (2) that the monitoring apparatus (1) comprise an apparatus (22) for recording and/or receiving first measurement data for detecting a current flow in at least one first part (5) of the electric power supply grid (2), that the monitoring apparatus (1) comprise at least one first communication unit (6) for polling and receiving an identifier of the first electric load (3), and that the monitoring apparatus (1) further comprise a comparison unit (7) for comparing a received identifier to at least one stored first reference identifier.

IPC 8 full level  
**H02H 3/04** (2006.01); **H02J 3/14** (2006.01)

CPC (source: EP US)  
**G01D 4/002** (2013.01 - EP US); **G01R 22/066** (2013.01 - EP US); **G01D 2204/14** (2021.05 - EP); **G01D 2204/24** (2021.05 - EP); **G01D 2204/45** (2021.05 - EP); **Y02B 90/20** (2013.01 - US); **Y04S 20/30** (2013.01 - EP US)

Citation (search report)  
See references of WO 2010127375A1

Designated contracting state (EPC)  
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 SE SI SK SM TR

Designated extension state (EPC)  
AL BA ME RS

DOCDB simple family (publication)  
**WO 2010127375 A1 20101111**; AT 508192 A1 20101115; AT 508192 B1 20110115; CN 102576996 A 20120711; EP 2427940 A1 20120314; US 2010283577 A1 20101111

DOCDB simple family (application)  
**AT 2010000132 W 20100428**; AT 6992009 A 20090507; CN 201080029059 A 20100428; EP 10721270 A 20100428; US 77434310 A 20100505