

Title (en)

A SURGE ARRESTER FOR A DOMESTIC ROBOT ASSEMBLY

Title (de)

ÜBERSpannungSSchutz FÜR EINE HausROBoterAnordnung

Title (fr)

LIMITEUR DE SURTENSION DESTINÉ À UN ENSEMBLE ROBOT DOMESTIQUE

Publication

EP 3338333 A1 20180627 (EN)

Application

EP 16770207 A 20160819

Priority

- SE 1551084 A 20150820
- EP 2016069741 W 20160819

Abstract (en)

[origin: WO2017029404A1] The present invention relates to a surge arrester (1, 21) for a domestic robot assembly including a perimetral wire (2) connectable to a control station (3), such as robotic lawn mower assembly. The surge arrester (1, 21) comprising a ground rod (4), a set of control station connectors (51, 52), a set of perimetral wire connectors (61, 62), and a protection circuit (7a) arranged between the set of control station connectors (51, 52) and the set of perimetral wire connectors (61, 62). The protection circuit (7a) comprising a first electrical path and second electrical path from the perimetral wire connector (61, 62) to the control station connectors (51, 52), and at least two surge protecting elements (75; 71, 72, 73) connected to and along each electrical path. Each surge protecting element (71, 72, 73) is further connected to the ground rod (4), such that the protection circuit (7a) is able to discharge at least a portion of a transient surge, entering from the set of perimetral wire connectors (61, 62), via the at least two surge protecting elements (75; 71, 72, 73) to the ground rod (4).

IPC 8 full level

H02H 9/04 (2006.01); **H02H 9/00** (2006.01)

CPC (source: EP SE)

A01D 34/008 (2013.01 - SE); **H01C 7/10** (2013.01 - SE); **H01T 4/00** (2013.01 - SE); **H02H 9/00** (2013.01 - SE); **H02H 9/005** (2013.01 - EP); **H02H 9/04** (2013.01 - EP); **H02H 9/06** (2013.01 - SE); **H05C 1/00** (2013.01 - SE)

Citation (search report)

See references of WO 2017029404A1

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)

WO 2017029404 A1 20170223; EP 3338333 A1 20180627; SE 1551084 A1 20170221; SE 539127 C2 20170411

DOCDB simple family (application)

EP 2016069741 W 20160819; EP 16770207 A 20160819; SE 1551084 A 20150820