

Title (en)

APPARATUS AND METHODS FOR ELECTRICALLY GROUNDING AT LEAST ONE MAT IN A LOAD-SUPPORTING SURFACE

Title (de)

VORRICHTUNG UND VERFAHREN ZUR ELEKTRISCHEN ERDUNG VON MINDESTENS EINER MATTE BEI EINER LASTTRAGENDEN OBERFLÄCHE

Title (fr)

APPAREIL ET PROCÉDÉS DE MISE À LA TERRE D'AU MOINS UN TAPIS DANS UNE SURFACE DE SUPPORT DE CHARGE

Publication

**EP 3342007 B1 20230607 (EN)**

Application

**EP 16839746 A 20160610**

Priority

- US 201514838064 A 20150827
- US 201615178254 A 20160609
- US 2016036836 W 20160610

Abstract (en)

[origin: WO2017034648A1] System for electrically grounding a reusable load-supporting surface includes at least two mats and a plurality of substantially planar, removable, electrically-conductive covers. Each cover extends at least partially across the top face of one of the mats without extending over any of the edges thereof and is flexibly coupled to the mat sufficient to allow the mat to flex, expand and contract relative to the cover due to environmental factors and the movement of personnel, vehicles and/or equipment across the load-supporting surface during normal, typical or expected use conditions.

IPC 8 full level

**H01R 13/648** (2006.01); **E01C 9/08** (2006.01); **E01C 11/24** (2006.01); **H01R 43/26** (2006.01)

CPC (source: EP)

**E01C 5/005** (2013.01); **E01C 5/22** (2013.01); **E01C 9/08** (2013.01); **E04B 5/02** (2013.01); **E04B 5/023** (2013.01); **H05F 3/02** (2013.01); **H05F 3/025** (2013.01); **E01C 2201/12** (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 2017034648 A1 20170302**; AU 2016313174 A1 20180208; AU 2016313174 B2 20181122; AU 2016313174 C1 20190516; BR 112018000570 A2 20180522; BR 112018000570 B1 20190312; BR 112018003520 A2 20180918; CA 2954523 A1 20170227; CA 2954523 C 20180731; CA 3005530 A1 20170227; CA 3005530 C 20190514; CN 107925201 A 20180417; CN 107925201 B 20200901; EP 3342007 A1 20180704; EP 3342007 A4 20190417; EP 3342007 B1 20230607; MX 2018002122 A 20180918; PE 20180846 A1 20180516; ZA 201800289 B 20181128

DOCDB simple family (application)

**US 2016036836 W 20160610**; AU 2016313174 A 20160610; BR 112018000570 A 20160610; BR 112018003520 A 20160610; CA 2954523 A 20160610; CA 3005530 A 20160610; CN 201680047497 A 20160610; EP 16839746 A 20160610; MX 2018002122 A 20160610; PE 2018000241 A 20160610; ZA 201800289 A 20180116