

Title (en)
GROUNDING SYSTEM FOR A CONCRETE STRUCTURE AND METHOD FOR ARRANGING THE GROUNDING SYSTEM IN THE CONCRETE STRUCTURE

Title (de)
ERDUNGSSYSTEM FÜR EINE BETONSTRUKTUR UND VERFAHREN ZUR ANORDNUNG DES ERDUNGSSYSTEMS IN DER BETONSTRUKTUR

Title (fr)
SYSTÈME DE MISE À LA TERRE POUR UNE STRUCTURE EN BÉTON ET PROCÉDÉ D'AGENCEMENT DU SYSTÈME DE MISE À LA TERRE DANS LA STRUCTURE EN BÉTON

Publication
EP 4062063 A4 20231213 (EN)

Application
EP 20891322 A 20201123

Priority
• NO 20191391 A 20191122
• NO 2020050286 W 20201123

Abstract (en)
[origin: WO2021101391A1] A grounding system for a concrete structure (9) is described, the grounding system comprising a mounting element (5) and a grounding device (1), the grounding device (1) comprising: i) an electrically conductive mounting bracket (10) with a first coupling face (100) for the mounting element (5) and at least one cast-in portion (12) for casting into the concrete structure (9); and ii) an electrically conductive grounding element (2) which, in a first end portion (22), is attached in an electrically conductive manner to a second coupling face (102) of the mounting bracket (10) via a screw connection (31) and, in a fixing portion (21), is arranged for electrically conductive coupling to a reinforcing element (91) of the concrete structure (9), the grounding element (2) and the second coupling face (102) being arranged to be covered by the concrete structure (9), the mounting element (5) being attached in an electrically conductive manner to the mounting bracket (10). A method for arranging the grounding device (1) in the concrete structure (9) is described as well.

IPC 8 full level
F03D 80/30 (2016.01); **F03D 13/20** (2016.01); **F03D 13/25** (2016.01); **H01R 4/66** (2006.01); **H02G 13/00** (2006.01)

CPC (source: EP NO)
F03D 13/25 (2016.05 - EP); **H01R 4/66** (2013.01 - NO); **H02G 13/00** (2013.01 - NO); **H02G 13/40** (2013.01 - NO); **F03D 80/30** (2016.05 - EP); **H01R 4/34** (2013.01 - EP); **H01R 4/64** (2013.01 - EP); **H02G 13/40** (2013.01 - EP); **Y02E 10/72** (2013.01 - EP); **Y02E 10/727** (2013.01 - EP); **Y02E 10/728** (2013.01 - EP)

Citation (search report)
• [IA] KR 20190116771 A 20191015 - LEE SANG OK [KR]
• [IA] DE 202013001141 U1 20130227 - PROEPSTER J GMBH [DE]
• [IA] CN 103311871 A 20130918 - GOLDWIND SCIENCE & TECHNOLOGY
• [IA] DE 10227632 A1 20040115 - PROEPSTER J GMBH [DE]
• [A] DE 202005003458 U1 20050512 - WEITKOWITZ ELEKTRO GMBH [DE]
• See references of WO 2021101391A1

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 2021101391 A1 20210527; EP 4062063 A1 20220928; EP 4062063 A4 20231213; NO 20191391 A1 20210524; NO 347187 B1 20230626

DOCDB simple family (application)
NO 2020050286 W 20201123; EP 20891322 A 20201123; NO 20191391 A 20191122