

Title (en)

DEVICE, KIT AND METHOD FOR ELECTROMAGNETICALLY SHIELDING A REMOTE COMMAND DEVICE OF A CRANE

Title (de)

VORRICHTUNG, KIT UND VERFAHREN ZUM ELEKTROMAGNETISCHEN ABSCHIRMEN EINER FERNSTEUERUNG EINES KRANS

Title (fr)

DISPOSITIF, KIT ET PROCÉDÉ POUR BLINDAGE ÉLECTRO-MAGNÉTIQUE D'UNE TÉLÉCOMMANDE D'UNE GRUE

Publication

EP 3626674 B1 20210113 (EN)

Application

EP 19181226 A 20190619

Priority

IT 201800008686 A 20180918

Abstract (en)

[origin: EP3626674A1] The present invention refers to a device (1), a kit and a method of electromagnetically shielding a remote command device (101) of a crane comprising a command panel (102) having one or more levers and one or more pushbuttons and one or more knobs for managing the operations of the crane, and a transmission unit configured for a by-wire and/or wireless communication with a control unit (201) of the crane. The shielding device (101) comprises a container (2) made of an electrically conductive material and adapted to internally receive the remote command device (101) of the crane in order to form a Faraday cage. The container (2) comprises one or more openings (21, 22) for gaining access to said one or more levers and/or one or more pushbuttons and/or one or more knobs of the remote command device (101) of the crane from the outside of the container (2). Said one or more openings having dimensions so that the Faraday cage shields the electromagnetic radiations generated inside the remote command device (101) of the crane and enables the electromagnetic waves generated by the transmission unit to pass through the Faraday cage when the transmission unit wirelessly communicates with the control unit (201) of the crane.

IPC 8 full level

B66C 13/40 (2006.01)

CPC (source: EP)

B66C 13/40 (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)

EP 3626674 A1 20200325; EP 3626674 B1 20210113; DK 3626674 T3 20210315; PL 3626674 T3 20210628

DOCDB simple family (application)

EP 19181226 A 20190619; DK 19181226 T 20190619; PL 19181226 T 20190619