

Title (en)

METHOD FOR EMBEDDING A MONITORING SYSTEM IN A DEVICE

Title (de)

VERFAHREN ZUR EINBETTUNG EINES ÜBERWACHUNGSSYSTEMS IN EINE VORRICHTUNG

Title (fr)

PROCÉDÉ D'INCORPORATION D'UN SYSTÈME DE SURVEILLANCE DANS UN DISPOSITIF

Publication

**EP 4327065 A1 20240228 (EN)**

Application

**EP 22724101 A 20220422**

Priority

- US 202163179096 P 20210423
- EP 2022060663 W 20220422

Abstract (en)

[origin: WO202223766A1] It is disclosed a method for embedding a monitoring system in a device comprising a body of a metallic material. The monitoring system comprises an optical fiber with a number of sensors for sensing data indicative of an operating status of the device. The method comprises the steps of: providing the body with a groove on an external surface thereof, the groove being configured to house a length of the optical fiber; laying the length of the optical fiber in the groove, and fixing the optical fiber in the groove by using at least one patch of a composite material above the optical fiber.

IPC 8 full level

**G01M 5/00** (2006.01); **G01B 11/16** (2006.01); **G01L 1/24** (2006.01); **G01M 11/08** (2006.01); **G02B 6/38** (2006.01)

CPC (source: EP)

**G01B 11/18** (2013.01); **G01L 1/243** (2013.01); **G01M 5/0091** (2013.01); **G01M 11/086** (2013.01); **G02B 6/3636** (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

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**WO 202223766 A1 20221027**; EP 4327064 A1 20240228; EP 4327065 A1 20240228; WO 202223765 A1 20221027

DOCDB simple family (application)

**EP 2022060663 W 20220422**; EP 2022060662 W 20220422; EP 22724100 A 20220422; EP 22724101 A 20220422