

Title (en)  
OPTICAL MONITORING SYSTEM FOR AN OPTICAL DISPLAY ELEMENT

Title (de)  
OPTISCHES ÜBERWACHUNGSSYSTEM FÜR EIN OPTISCHES ANZEIGEELEMENT

Title (fr)  
SYSTÈME DE SURVEILLANCE OPTIQUE POUR ÉLÉMENT D’AFFICHAGE OPTIQUE

Publication  
**EP 4352769 A1 20240417 (DE)**

Application  
**EP 22734876 A 20220607**

Priority  
• DE 102021114870 A 20210609  
• EP 2022065330 W 20220607

Abstract (en)  
[origin: CA3221892A1] A monitoring system for an optical display element of an emergency stop switch, the monitoring system comprising an actuation element with optical display element, an optical sensor and safety electronics. The safety electronics are connected to the optical display element and the optical sensor. The safety electronics comprise a safe output and a safe input and are connected to the optical display element via the safe output and to the optical sensor via the safe input. As a result, it is possible to ensure that the optical display element functions reliably, or is not defective, in order to avoid fatal consequences for life and limb. The optical display element can comprise a single display element or a plurality of display elements.

IPC 8 full level  
**H01H 3/02** (2006.01)

CPC (source: EP KR)  
**H01H 3/022** (2013.01 - EP KR); **H01H 9/161** (2013.01 - KR); **H01H 9/161** (2013.01 - EP); **H01H 2300/052** (2013.01 - EP KR)

Cited by  
DE202022002929U1

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)  
**DE 102021114870 A1 20221215**; CA 3221892 A1 20221215; DE 202022002929 U1 20240223; EP 4352769 A1 20240417; KR 20240018567 A 20240213; WO 2022258575 A1 20221215

DOCDB simple family (application)  
**DE 102021114870 A 20210609**; CA 3221892 A 20220607; DE 202022002929 U 20220607; EP 2022065330 W 20220607; EP 22734876 A 20220607; KR 20247000007 A 20220607