

Title (en)

STEREO CAMERA, OPERATION PANEL AND METHOD FOR OPERATING AN ELEVATOR

Title (de)

STEREOKAMERA, BEDIENUNGSTAFEL UND VERFAHREN ZUM BETRIEB EINES AUFZUGS

Title (fr)

CAMÉRA STÉRÉO, PANNEAU DE COMMANDE ET PROCÉDÉ DE FONCTIONNEMENT D'UN ASCENSEUR

Publication

EP 4215470 A1 20230726 (EN)

Application

EP 22152745 A 20220121

Priority

EP 22152745 A 20220121

Abstract (en)

The present invention relates particularly to a stereo camera (5), an operation panel (1) and a method for operating an elevator as well as an elevator equipped with such a stereo camera (5) or an operation panel (1). There is a plurality of buttons (3) is positioned in an input area (4) on the front surface of the operation panel (1). The stereo camera (5) is constructed to be able to be positioned below this input area (4) for tracking a three-dimensional motion of an object (7) approaching one of the buttons (3) and/or detecting an object (7) adjacent to the respective buttons (3). The stereo camera (5) comprises a storage unit (8) for storing a distance threshold and a time threshold and a processor (6) for evaluating the tracking data collected by the stereo camera (5) if the processor (6) acknowledges the object (7) as a human finger or a human hand or the like, and wherein the processor (6) may actuate the button (3) to which the object (7) is adjacent, when the distance between the object (7) and this button (3) is within the distance threshold for a time duration longer than the time threshold.

IPC 8 full level

B66B 1/46 (2006.01)

CPC (source: EP)

B66B 1/461 (2013.01); **B66B 1/468** (2013.01); **B66B 2201/4638** (2013.01)

Citation (search report)

- [A] US 2019344998 A1 20191114 - YOON IL SHIK [KR]
- [A] US 2015185857 A1 20150702 - JUNG MOONJIN [KR]
- [A] JP 2011162307 A 20110825 - MITSUBISHI ELECTRIC CORP
- [X] ULTRALEAP: "Touchless Elevator | Powered by Ultraleap", 4 August 2020 (2020-08-04), XP055940248, Retrieved from the Internet <URL:https://www.youtube.com/watch?v=7OhO33eElus> [retrieved on 20220708]
- [X] ULTRALEAP: "Touchless Elevators: Rethinking the Way We Ride", 16 October 2020 (2020-10-16), XP055940250, Retrieved from the Internet <URL:https://www.ultraleap.com/company/news/blog/touchless-elevator/> [retrieved on 20220708]

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)

EP 4215470 A1 20230726

DOCDB simple family (application)

EP 22152745 A 20220121