

Title (en)
CONTROL OF ELEVATOR WITH GAZE TRACKING

Title (de)
AUFZUGSSTEUERUNG MIT BLICKVERFOLGUNG

Title (fr)
COMMANDE D'ASCENSEUR COMPORTANT UNE POURSUITE OCULAIRE

Publication
EP 3575257 A1 20191204 (EN)

Application
EP 18175194 A 20180530

Priority
EP 18175194 A 20180530

Abstract (en)
A method for controlling an elevator system (10) comprises: detecting the presence of a person in front of a control panel (22) of the elevator system (10) with a presence detection sensor (36); in the case a person has been detected, detecting the presence of an eye of a person in front of the control panel (22) from a video stream of a camera (32, 34, 42) of the control panel (22); in the case, when the eye has been detected, determining a gaze point of the eye on the control panel (22) from a video stream of the camera (32, 34, 42) and/or a further camera (32, 34, 42), wherein a line of sight of the eye is determined from an image of the eye in the video stream and the gaze point is determined by intersecting the line of sight with a component of the control panel stored in a virtual layout of the control panel (22); determining a selected floor from the gaze point; and controlling the elevator system (10) to move an elevator car (12) to the selected floor.

IPC 8 full level
B66B 1/46 (2006.01)

CPC (source: EP)
B66B 1/468 (2013.01); **B66B 2201/4638** (2013.01)

Citation (applicant)
• JP 2010100370 A 20100506 - HITACHI LTD
• WO 2011114489 A1 20110922 - MITSUBISHI ELECTRIC CORP [JP], et al
• WO 2005056251 A1 20050623 - KONINKL PHILIPS ELECTRONICS NV [NL], et al

Citation (search report)
• [X] JP 2007161420 A 20070628 - HITACHI LTD
• [X] JP 2017013984 A 20170119 - HITACHI LTD
• [A] US 2015309570 A1 20151029 - LANKFORD CHRIS [US], et al

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WO2022003231A1

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

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