

Title (en)
PASSENGER EMERGENCY DETECTION SYSTEM

Title (de)
PASSAGIERNOTFALLDETEKTIONSSYSTEM

Title (fr)
SYSTÈME DE DÉTECTION D'URGENCE DE PASSAGERS

Publication
EP 4019448 A1 20220629 (EN)

Application
EP 20020642 A 20201222

Priority
EP 20020642 A 20201222

Abstract (en)
The invention refers to a passenger emergency detection system which detects an emergency, as fainting or any other medical situation that affects the ability to ask for help by yourself, through a camera that is placed in the elevator cabin. The applied camera calibration algorithm permits the monitor of any area, regardless its size. Passenger's fall is detected based on characteristics like vertical velocity and area variance. The system is connected to the elevator controller so the corresponding signal sets on the alarm, increases the cabin ventilation and moves the cabin to the ground floor with the door on the open position. Alongside, the help signal is sent to an emergency centre.

IPC 8 full level
B66B 5/00 (2006.01)

CPC (source: EP)
B66B 5/0012 (2013.01)

Citation (search report)
• [X] WO 2016085795 A1 20160602 - OTIS ELEVATOR CO [US]
• [XI] WO 2019076917 A1 20190425 - VIEW PROMOTION GMBH [AT]

Cited by
CN115893140A

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

DOCDB simple family (publication)
EP 4019448 A1 20220629

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