

Title (en)  
BODY FALL SMART CONTROL SYSTEM AND METHOD THEREFOR

Title (de)  
INTELLIGENTES STEUERUNGSSYSTEM FÜR KÖRPERFALL UND VERFAHREN DAFÜR

Title (fr)  
SYSTÈME DE COMMANDE INTELLIGENT EN CAS DE CHUTE D'UN CORPS, ET PROCÉDÉ ASSOCIÉ

Publication  
**EP 3418991 A4 20190710 (EN)**

Application  
**EP 17741125 A 20170316**

Priority  
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Abstract (en)  
[origin: EP3418991A1] A body fall smart control system includes at least one image capturing module used for capturing a video image and an image processing module connected to the image capturing module, wherein the image processing module is used for performing body pattern identification on the captured video image, establishing a 2D or 3D model of the identified body pattern, tracking whether a signal change speed and/or angle of the modelled body pattern reaches a set threshold value to determine whether a fall has occurred, and controlling an alarm module to sound an alarm if a fall has occurred. The present invention establishes a 2D or 3D model, comparing and analyzing the speed, angle, associated help voice, etc. of a falling body to determine whether a fall has occurred, and sounding an alarm and sending a signal for manual braking or automatic braking etc. and controlling an action of a related device if the comparison is successful. The identification speed is fast, the accuracy is high, and the injury caused by a fall is minimized.

IPC 8 full level  
**G08B 21/04** (2006.01)

CPC (source: EP)  
**G08B 21/043** (2013.01); **G08B 21/0476** (2013.01)

Citation (search report)  
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Designated contracting state (EPC)  
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