

Title (en)

ABNORMAL ACTIVITY DETECTION FOR ELDERLY AND HANDICAPPED INDIVIDUALS

Title (de)

ABNORMALE AKTIVITÄTSEKKNUNG FÜR ÄLTERE UND BEHINDERTE PERSONEN

Title (fr)

DÉTECTION D'UNE ACTIVITÉ ANORMALE POUR PERSONNES ÂGÉES ET PERSONNES HANDICAPÉES

Publication

EP 3163545 A1 20170503 (EN)

Application

EP 15306725 A 20151029

Priority

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Abstract (en)

A method and apparatus for creating an anomalous behavior detection log for reporting anomalous behavior of a user in an environment are describe including logging first time-stamped event data of initial behavior of the user over a period of time in the environment, estimating a location of the user in the environment using the time-stamped event data of the initial behavior of the user, creating a characterization of life routines of the user's initial behavior, logging second time-stamped event data of subsequent behavior of the user, estimating a user location sequence of the user in the environment using time-stamped event data of the user's subsequent behavior, generating user location sequence comparisons by comparing the characterization of life routines of the user's initial behavior and the estimated user location sequence of the user's subsequent behavior and creating an anomalous behavior detection log by detecting anomalous behavior using the user location sequence comparisons.

IPC 8 full level

G08B 21/04 (2006.01)

CPC (source: EP)

G08B 21/0423 (2013.01); **G08B 21/0469** (2013.01)

Citation (search report)

- [X1] US 2003117279 A1 20030626 - UENO REIKO [JP], et al
- [X1] US 2006055543 A1 20060316 - GANESH MEENA [US], et al
- [X1] US 2006053342 A1 20060309 - BAZAKOS MICHAEL E [US], et al
- [X1] KYUNGSEO PARK ET AL: "Abnormal human behavioral pattern detection in assisted living environments", PROCEEDINGS OF THE 3RD INTERNATIONAL CONFERENCE ON PERVASIVE TECHNOLOGIES RELATED TO ASSISTIVE ENVIRONMENTS, PETRA '10, 1 January 2010 (2010-01-01), New York, New York, USA, pages 1, XP055262133, ISBN: 978-1-4503-0071-1, DOI: 10.1145/1839294.1839305

Cited by

CN110021145A; CN110175554A; CN112750276A; CN111814436A; CN114154034A; CN111201539A; EP3673416A1; US11138861B2; US11568265B2; WO2019040196A1; US10832060B2; US11232693B2

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Designated extension state (EPC)

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