Title (en)
TECHNOLOGY FOR DETECTING A FALL OF A PERSON

Title (de)
TECHNIK ZUM ERFASSEN EINES PERSONENSTURZES

Title (fr)
TECHNIQUE DE DÉTECTION DE LA CHUTE D'UNE PERSONNE

Publication
EP 3108462 A1 20161228 (DE)

Application
EP 15700460 A 20150115

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Abstract (en)
[origin: WO2015121018A1] The invention relates to a technology for detecting a fall of a person. A corresponding device (100) comprises an interface (102), which is designed to capture a time-dependent air-pressure signal (600) determined by means of at least one air-pressure sensor (104, 106) worn on the body of the person. The device (100) also comprises an evaluating unit (108), which is designed to determine a fall height (λ) with respect to an evaluation time (te) by means of a window-based signal analysis of the time-dependent air-pressure signal. The window-based signal analysis comprises a first time window (702) before the evaluation time and a second time window (704) after the evaluation time, which second time window does not overlap with the first time window. The fall height is determined from a difference between a first filter value calculated on the basis of the time-dependent air-pressure signal in the first time window and a second filter value calculated on the basis of the time-dependent air-pressure signal in the second time window.

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Citation (search report)
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