

Title (en)

MAKING A WORK ENVIRONMENT SAFE USING AT LEAST ONE ELECTRONIC BEACON AND AN ELECTRONIC TAG

Title (de)

GEWÄHRLEISTUNG EINER SICHEREN ARBEITSUMGEBUNG UNTER VERWENDUNG VON MINDESTENS EINER ELEKTRONISCHEN BEACON UND EINEM ELEKTRONISCHEN ETIKETT

Title (fr)

SÉCURISATION D'UN ENVIRONNEMENT DE TRAVAIL A L'AIDE D'AU MOINS UNE BALISE ÉLECTRONIQUE ET D'UNE ÉTIQUETTE ÉLECTRONIQUE

Publication

EP 3732905 A1 20201104 (FR)

Application

EP 18845440 A 20181226

Priority

- FR 1763293 A 20171228
- FR 2018053550 W 20181226

Abstract (en)

[origin: WO2019129997A1] The present invention relates to making a work environment (ZT) safe using at least one electronic beacon (B) and an electronic tag (T) worn by an operator, said beacon (B) and said tag (T) being capable of communicating with one another using a communication scheduler implementing a communication management algorithm, in which said work environment (ZT) comprises at least one exclusion zone (ZD) for said operator, said method including: - a beaconing operation in which said at least one electronic beacon (B) is positioned in the work environment (ZT) so as to delimit said exclusion zone (ZD); and - an operation of modelling the work environment (ZT) in which the work environment (ZT) is digitally modelled with the exclusion zone (ZD) by generating a virtual safety cordon (CSV) according to the positioning of said at least one beacon (B) in the work environment (ZT); - an operation (S3) of measuring the distance (dl) from the electronic tag (T) to said at least one beacon (B); - an operation (S4) of determining the relative position of said operator in the work environment (ZT) according to the measured distance (dl); and - an operation (S6) of generating, via said tag (T), a warning signal (s) for said operator when said operator crosses said virtual safety cordon (CSV).

IPC 8 full level

H04L 29/08 (2006.01); **H04W 4/021** (2018.01)

CPC (source: EP US)

G01S 1/68 (2013.01 - US); **G06Q 10/0635** (2013.01 - US); **G06Q 10/105** (2013.01 - US); **G06Q 10/109** (2013.01 - US); **G06Q 10/20** (2013.01 - US); **G06Q 50/265** (2013.01 - US); **H04L 41/0806** (2013.01 - US); **H04L 67/52** (2022.05 - EP US); **H04W 4/021** (2013.01 - EP); **H04W 4/029** (2018.01 - EP); **H04W 4/80** (2018.01 - EP)

Citation (search report)

See references of WO 2019129997A1

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