

SECURITY SYSTEM FOR CONTROLLING THE USE OF PERSONAL PROTECTIVE EQUIPMENT

Description:

Although the legislation establishes specific safety measures to ensure the protection of workers, a significant number of accidents and incidents occur on a daily basis. Despite the availability of protection elements, the control of their use is, in many cases, merely testimonial, often motivated by the manifest impossibility of carrying out an exhaustive control of the correct compliance with the safety measures by the worker. For your individual protection. In addition, even if such control is possible and carried out, it, as it is not automated or computerized, may lead to failures due to human error. Thus, the present invention refers to a system that ensures the safety of workers obliged to use regulatory equipment for individual protection. The system is designed to effectively ensure that the user complies with his obligation to wear the required health protective elements. In essence, this security system comprises the elements that make up the user's PPE, a central control system that allows determining whether each subject uses all the elements that make up the PPE and elements that ultimately allow communication between the elements of the PPE. and the central control system.

Keywords:

[Communications](#), [System](#), [Safety](#), [Personal Protective Equipment](#), [Ppe](#), [Work Accidents](#), [Control System](#)

Sectors:

[Engineering](#), [Security](#), [Protection and Defense](#)

Areas:

[Communications](#), [Protection and security](#)



Advantages:

Among the main advantages of the present invention are: • Provides a method and system to avoid current inconveniences, ensuring that the worker is protected as established by the Law against occupational hazards. • This invention results in the reduction of the occupational accident rate and, in coherence, in the demand of civil or social responsibilities on the part of those affected by the professional risk. • The non-presence or lack of use of one or more elements of the PPE, produces the emission of an alarm signal that alerts the person in charge of the security control and even directly to the user of the PPE.

Uses and Applications:

The main application of this technology is its use as a member of the individual labor protection equipment usually used by workers whose profession requires them.

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