

The invention relates to a people monitoring system and a portable device designed for detecting and tracking the movement of offenders in order to prevent them from violating restrictions and/or approaching the victim. The system can also be used in the case of “house arrest”, as well as in other areas of economic activity that require the detection of controlled objects.

The system, according to the invention, comprises a tracking bracelet device (2), securely attached to a limb (leg or arm) of a controlled person, a main portable device (3), installed permanently inside the premises of a controlled person or carried by him when he leaves the premises, a portable third party warning device (5), installed permanently inside the premises of a third party or carried by him when he leaves the premises, as well as a monitoring station (1), equipped with a server for receiving data (4) from devices through the main device (3), equipment for storing information in databases, a proxy server and operator monitoring programs.

The tracking bracelet device (2) consists of a plastic case, a body strap in the form of a conductive double loop, made of durable elastic steel cable, coated with hypoallergenic plastic, two mechanical contacts for connecting the non-insulated ends of the cable, a pair of spring contacts, a cover, a microcontroller, a RF-transceiver with an antenna, a motion, proximity and bracelet integrity control sensor module, as well as a battery.

Claims: 4

Fig.: 1

