

Title (en)

ELECTRONIC MONITORING BRACELET COMPRISED OF FIRST AND SECOND LOCKABLE AND SEPARABLE BRACELET PARTS

Title (de)

ELEKTRONISCHES ÜBERWACHUNGSARMBAND MIT ERSTEN UND ZWEITEN VERRIEGELBAREN UND TRENNBAREN ARMBANDTEILEN

Title (fr)

BRACELET DE SURVEILLANCE ÉLECTRONIQUE AVEC PREMIÈRE ET SECONDE PARTIES VERROUILLABLES ET SEPARABLES

Publication

EP 3451307 A1 20190306 (EN)

Application

EP 17188150 A 20170828

Priority

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Abstract (en)

Electronic monitoring bracelet (2) comprising a rigid casing (4) and an electronic monitoring system mounted within the casing, the electronic monitoring bracelet comprised of first and second lockable and separable bracelet parts (2a, 2b) joinable together at first and second interfaces. The first interface comprises a locking interface coupling (8) having an electronically controlled release mechanism, and the second interface comprises a hinge interface coupling (6). The hinge interface coupling comprises a first part hinge coupling portion (6a) comprising a hinge pin receiving orifice (18) and a second part hinge coupling portion (6b) comprising a locking pin mechanism comprising at least one slidable pin (24) slidably extendable into the hinge pin orifice (18). The slidable pin is slidably and rotatably mounted in a mounting tube (22) and connected to a cam follower (26) extending through a cam guide slot (30) in the mounting tube, the cam follower engaging a cam guide (17) disposed on the first part hinge coupling portion (6a) during rotation between an open and a closed position of the coupling portions (6a, 6b). The cam guide and cam follower are arranged to axially displace the slidable pin during rotation of the hinge coupling portions, such that the pin engages in the hinge pin receiving orifice to lock the first and second hinge part coupling portions together when they rotate into the closed position.

IPC 8 full level

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CPC (source: EP)

G08B 21/0288 (2013.01); **G08B 21/0291** (2013.01); **G08B 21/22** (2013.01)

Citation (applicant)

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Designated contracting state (EPC)

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