

Title (en)

DISTANCE-DETERMINING SYSTEM, CONTACT-MONITORING SYSTEM, CONTACT-TRACKING SYSTEM, AND METHOD FOR DETERMINING DISTANCE AND/OR TRACKING CONTACT

Title (de)

ABSTANDSERMITTLUNGSSYSTEM, KONTAKTÜBERWACHUNGSSYSTEM, KONTAKTNACHVERFOLGUNGSSYSTEM UND VERFAHREN ZUR ABSTANDSERMITTLUNG UND/ODER ZUR KONTAKTNACHVERFOLGUNG

Title (fr)

SYSTÈME DE DÉTERMINATION DE DISTANCE, SYSTÈME DE SURVEILLANCE DE CONTACT, SYSTÈME DE SUIVI DE CONTACT ET PROCÉDÉ DE DÉTERMINATION DE DISTANCE ET/OU DE SUIVI DE CONTACT

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Application

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Abstract (en)

[origin: WO2022136560A1] The invention relates to a distance-determining system (38a-b), in particular a distance-monitoring system, preferably a unidirectional distance-monitoring system, having at least one first monitoring unit (10a-b) and at least one second monitoring unit (12a-b), wherein at least the first monitoring unit (10a-b) has a transmitter unit (14a-b), which is provided to emit a sound signal (16a-b), in particular an ultrasonic signal, and an electromagnetic signal (18a-b), in particular a high-frequency electromagnetic signal, wherein at least the second monitoring unit (12a-b) has a receiver unit (20a-b), which is provided to receive the sound signal (16a-b) and the electromagnetic signal (18a-b), so that a distance (22a-b) between the first monitoring unit (10a-b) and the second monitoring unit (12a-b) can be determined on the basis of the time-of-flight difference between the sound signal (16a-b) received by the receiver unit (20a-b) and the electromagnetic signal (18a-b) received by the receiver unit (20a-b) and associated with the received sound signal (16a-b).

IPC 8 full level

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