Title (en)

PROXIMITY SWITCH, METHOD FOR OPERATING SUCH A SWITCH, AND ARRANGEMENT AND METHOD FOR MONITORING A TRACK SECTION

Title (de)

NÄHERUNGSSCHALTER, VERFAHREN ZUM BETREIBEN EINES SOLCHEN SOWIE ANORDNUNG UND VERFAHREN ZUR ÜBERWACHUNG EINES GLEISABSCHNITTES

Title (fr)

DÉTECTEUR DE PROXIMITÉ, PROCÉDÉ POUR FAIRE FONCTIONNER UN DÉTECTEUR DE PROXIMITÉ DE CE TYPE, ET SYSTÈME ET PROCÉDÉ DE SURVEILLANCE D'UN TRONÇON DE VOIE

Publication

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Application

EP 21827581 A 20211027

Priority

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- DE 2021100860 W 20211027

Abstract (en)

[origin: WO2022089689A1] Proximity switch (10) having a first sensor element (S1) with a first sensing region (16) for sensing an object moving through the first sensing region (16), a second sensor element (S2) with a second sensing region (18) for sensing an object moving through the second sensing region (18), and a third sensor element (S3) with a third sensing region (20) for sensing an object moving through the third sensing region (20), wherein the sensing regions (16, 18, 20) of the three sensor elements (S1, S2, S3) are arranged in a spatially distributed manner such that an object moving in a particular direction through the sensing regions enters the sensing regions (16, 18, 20) in succession and leaves the latter again in the same order, wherein there is an overlapping region (22) in which the sensing regions (16, 18, 20) overlap such that an object situated there is sensed by all three sensor elements (S1, S2, S3), and wherein provision is made of an evaluation logic unit (24) having a state machine (40) for detecting the direction of movement and for identifying a defective sensor element.

IPC 8 full level

B61L 1/16 (2006.01); **B61L 1/20** (2006.01); **B61L 25/02** (2006.01); **G01P 3/66** (2006.01)

CPC (source: EP)

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See references of WO 2022089689A1

Designated contracting state (EPC)

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