

Title (en)

Device for the detection of the passage of at least one moving body at at least one determinate point of its displacement.

Title (de)

Einrichtung zur Detektion der Durchfahrt von mindestens einem beweglichen Gegenstand an mindestens einem bestimmten Punkt seiner Bewegung.

Title (fr)

Dispositif de détection du passage d'au moins un mobile en au moins un point déterminé de son déplacement.

Publication

**EP 0391775 A1 19901010 (FR)**

Application

**EP 90400866 A 19900329**

Priority

FR 8904773 A 19890404

Abstract (en)

The invention relates to a device for detecting the passage of at least one moving body at at least one determinate point of its displacement along a trajectory inside a space through reference to which the said displacements of the moving body are evaluated. <??>It is characterised in that: - on the one hand, the dual reception circuit (29) included in the responder, includes two members (20, 21) generating, on the passage of the moving body at the monitored point, two signals (31, 32) of substantially equivalent kind and, - on the other hand, these members (20, 21) are designed and interconnected in such a way as to confer opposite values upon at least one of the characteristics of these signals (31, 32), which on being combined, form at least one resultant signal (R), at least one characteristic of which, at at least one predetermined point of the passage of the transmitter in line with the responder, varies in an abrupt manner in accordance with an amplitude of variation which is discernible from the possible other variations in the relevant characteristic of the said resultant signal (R) so as to thus constitute an, in particular, electrical phenomenon, termed the synchronising pulse, which demarcates two distinct portions within the resultant signal (R), each of a certain duration. <IMAGE>

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CPC (source: EP US)

**B61L 25/021** (2013.01 - EP US); **B61L 25/023** (2013.01 - EP US); **B61L 25/025** (2013.01 - EP US)

Citation (search report)

- [A] DE 3027981 A1 19820225 - LICENTIA GMBH [DE]
- [A] EP 0111591 A1 19840627 - ANT NACHRICHTENTECH [DE]
- [A] US 3895368 A 19750715 - GORDON LLOYD L, et al
- [AD] FR 2593761 A1 19870807 - SFIM [FR]

Cited by

US5293979A

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**EP 0391775 A1 19901010**; **EP 0391775 B1 19940608**; AT E106809 T1 19940615; DE 69009573 D1 19940714; DE 69009573 T2 19940922; FR 2645309 A1 19901005; FR 2645309 B1 19910607; US 5068655 A 19911126

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