

Title (en)

System and method for detecting the passage of tramcars, in particular for the purposes of coordinating traffic-light cycles for trams and traffic-light cycles for automobiles

Title (de)

System und Verfahren zur Erfassung des Vorbeifahrens von Strassenbahnen, insbesondere zur Koordinierung des AmpelIntaktzyklus für Strassenbahnen und Fahrzeuge

Title (fr)

Système et procédé pour détecter le passage des trams, en particulier pour coordonner les cycles des feux de signalisation pour les trams et pour les véhicules

Publication

**EP 1336946 A3 20031015 (EN)**

Application

**EP 02022751 A 20021011**

Priority

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Abstract (en)

[origin: EP1336946A2] A system for detecting the passage of tramcars, envisaged in particular for the purposes of the coordination between tram traffic-light cycles and motor-vehicle traffic-light cycles, comprises a detection device (10) associated to the overhead line (4) for supplying the tramcars; the device (10) has two sensors (S1, S2) in fixed relative positions and set apart from one another according to the direction of movement of the tramcars; the distance between the two sensors (S1, S2) is substantially equal to the distance existing between two respective excitation elements associated in fixed relative positions to the structure of a respective tramcar. In the preferred embodiment of the invention, the sensors are of an optical type, and the excitation elements comprise two sliding contacts of a pantograph of the tramcars. <IMAGE>

IPC 1-7

**G08G 1/083**; **G08G 1/07**; **B61L 29/28**

IPC 8 full level

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CPC (source: EP)

**B61L 29/284** (2013.01); **G08G 1/07** (2013.01); **G08G 1/083** (2013.01)

Citation (search report)

- [A] DE 3444426 A1 19860619 - KLINGENBERGER GERHARD
- [A] EP 1045360 A1 20001018 - SCHEIDT & BACHMANN GMBH [DE]
- [A] US 6241197 B1 20010605 - HARLAND SYDNEY A [CA]
- [A] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 04 31 August 2000 (2000-08-31)

Cited by

CN108168867A; WO2006027404A1

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