

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
3 September 2009 (03.09.2009)

PCT

(10) International Publication Number  
**WO 2009/106920 A3**

(51) International Patent Classification:  
**G05D 1/02** (2006.01) **B60W 50/00** (2006.01)

(21) International Application Number:  
PCT/IB2008/003136

(22) International Filing Date:  
14 November 2008 (14.11.2008)

(25) Filing Language: Slovenian

(26) Publication Language: English

(30) Priority Data:  
PP 5021-2008 26 February 2008 (26.02.2008) SK

(72) Inventor; and

(71) Applicant : SITAR, Branislav [SK/SK]; Lediny 35,  
SK-84103 Bratislava (SK).

(74) Agent: DANEK, Vilém; Vinohradská 45, CZ-120 00  
Prague (CZ).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ,  
CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ,  
EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN,  
HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR,  
KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME,

MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO,  
NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG,  
SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA,  
UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ,  
TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV,  
MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI  
(BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,  
NE, SN, TD, TG).

**Declarations under Rule 4.17:**

— of inventorship (Rule 4.17(iv))

**Published:**

— with international search report (Art. 21(3))

— before the expiration of the time limit for amending the  
claims and to be republished in the event of receipt of  
amendments (Rule 48.2(h))

(88) Date of publication of the international search report:

25 March 2010

(54) Title: METHOD FOR AUTOMATIC GUIDANCE OF THE MOTOR VEHICLES ON ROADS AND AUTOMATIC  
TRANSPORT SYSTEM



Fig. 2

(57) Abstract: A method for automatic guidance of the motor vehicles on roads is based on the guidance of motor vehicles (1) with electric actuator (2) on roads (4) is executed only by a board computer (9), which coordinates direction guidance, driving parameters and vehicle (1) actuator (2) in interaction with a mobile data transfer either from a stationary central computer (12) and/or from other locally present board computers (9) of the surrounding motor vehicles (1). Steering the vehicle (1) is derived from the optical scanning of the guideline (6) situated on or in the surface of the road (4) by an optical guideline imaging device (3.1) located on the vehicle (1). Driving parameters of the vehicle (1) are derived from the optical and/or radiofrequency scanning of the info-line (7) situated on or in the surface of the road (4) by optical and/or radiofrequency info-line imaging devices (3.2, 3.3) located on the vehicle (1). Driving parameters for at least one electric actuator (2) and/or battery (13) of the vehicle (1) are derived the electric energy take-off through at least one electric power bus (5) fixed on the vehicle (1) and at least on one section oriented towards the road (4) and/or to the road barrier (14) from electric traction (8) located on the elevated part of the road (4) and/or in the road barrier (14).



WO 2009/106920 A3

## INTERNATIONAL SEARCH REPORT

International application No

PCT/IB2008/003136

**A. CLASSIFICATION OF SUBJECT MATTER**  
 INV. G05D1/02 B60W50/00

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

G05D B60W

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

| Category* | Citation of document, with indication, where appropriate, of the relevant passages                                                                                                                                                                                                 | Relevant to claim No. |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
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| A         | US 5 148 898 A (MUSACHIO NICHOLAS R [US]) 22 September 1992 (1992-09-22)<br>figures 1-3<br>column 2, line 15 - line 31<br>column 3, line 5 - line 18<br>column 4, line 13 - line 29<br>column 6, line 10 - line 22<br>-----<br>-/--                                                | 1-15                  |



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"&" document member of the same patent family

Date of the actual completion of the international search

28 January 2010

Date of mailing of the international search report

04/02/2010

Name and mailing address of the ISA/

European Patent Office, P.B. 5818 Patentlaan 2  
 NL - 2280 HV Rijswijk  
 Tel. (+31-70) 340-2040,  
 Fax: (+31-70) 340-3016

Authorized officer

Polednicek, Milos

## INTERNATIONAL SEARCH REPORT

International application No

PCT/IB2008/003136

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages                                                                                                                    | Relevant to claim No. |
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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/IB2008/003136

| Patent document<br>cited in search report |    | Publication<br>date | Patent family<br>member(s) | Publication<br>date |
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