

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
5 April 2007 (05.04.2007)

PCT

(10) International Publication Number
WO 2007/038451 A3

(51) International Patent Classification:
B60W 30/12 (2006.01)

(21) International Application Number:
PCT/US2006/037296

(22) International Filing Date:
25 September 2006 (25.09.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/720,441 26 September 2005 (26.09.2005) US
11/534,373 22 September 2006 (22.09.2006) US

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, 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, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

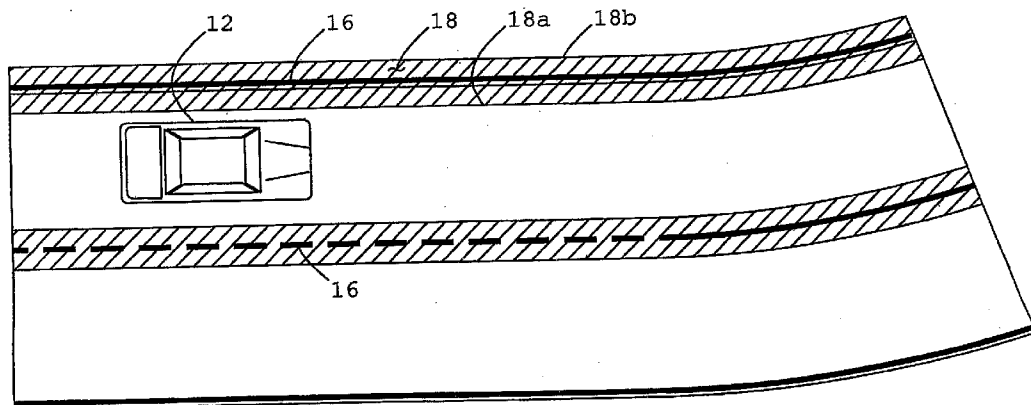
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— with international search report
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:
22 November 2007

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SELECTABLE LANE-DEPARTURE WARNING SYSTEM AND METHOD



(57) Abstract: A selectable lane departure detection system (10) adapted for use by an operator, and with a vehicle (12) traveling upon a thoroughfare having lane-markings (16), and including a least one vehicle condition sensor (22 through 28), a tracking sensor (20) or differential global positioning system (38) configured to determine the location and configuration of the lane-markings (16), and a controller (32) communicatively coupled to the sensors (20 through 28), and configured to determine a spatial relationship between the vehicle (12) and lane-markings (16), determine a sporty driving maneuver by or preference of the operator, modify a predefined warning threshold when so determined, compare the relationship to the adjusted threshold, and issue a warning when the relationship does not exceed the threshold.

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US06/37296

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - B60W 30/12 (2007.01)

USPC - 340/425.5

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)

IPC(8) - B60W 30/10, 30/12; B60Q (2007.01)

USPC - 340/425.5, 435, 436, 939, 988; 701/1, 70, 96, 300, 301, 302

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 practicable, search terms used)

USPTO EAST System (US, USPG-PUB, EPO, DERWENT), Cambridge Scientific Abstracts, IP.com, DialogPro

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6,708,098 B2 (MATSUMOTO et al) 16 March 2004 (16.03.2004) entire document	1-20
A	US 6,748,302 B2 (KAWAZOE) 08 June 2004 (08.06.2004) entire document	1-20
A	US 2005/0030184 A1 (VICTOR) 10 February 2005 (10.02.2005) paragraph [0077]	1-20
X,P	US 2005/0273261 A1 (NIWA et al) 08 December 2005 (08.12.2005) paragraph [0052]	15-17
A,P	US 2005/0273264 A1 (GERN et al) 08 December 2005 (08.12.2005) entire document	1-20

Further documents are listed in the continuation of Box C.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search
02 March 2007

Date of mailing of the international search report
28 SEP 2007

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