

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
21 May 2004 (21.05.2004)

PCT

(10) International Publication Number
WO 2004/041583 A3

(51) International Patent Classification⁷: **G01C 21/32**

(21) International Application Number:
PCT/US2003/034257

(22) International Filing Date: 29 October 2003 (29.10.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/284,005 30 October 2002 (30.10.2002) US

(71) Applicant and

(72) Inventor: **GOTFRIED, Bradley, L.** [AU/US]; 8949 SE
Bridge Road, Hobe Sound, FL 33455 (US).

(74) Agent: **STEELE, J., Rodman, Jr.**; Akerman, Senterfitt,
P.O. Box 3188, West Palm Beach, FL 33402-3188 (US).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,

CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC,
SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA,
UG, UZ, VC, VN, YU, ZA, ZM, ZW.

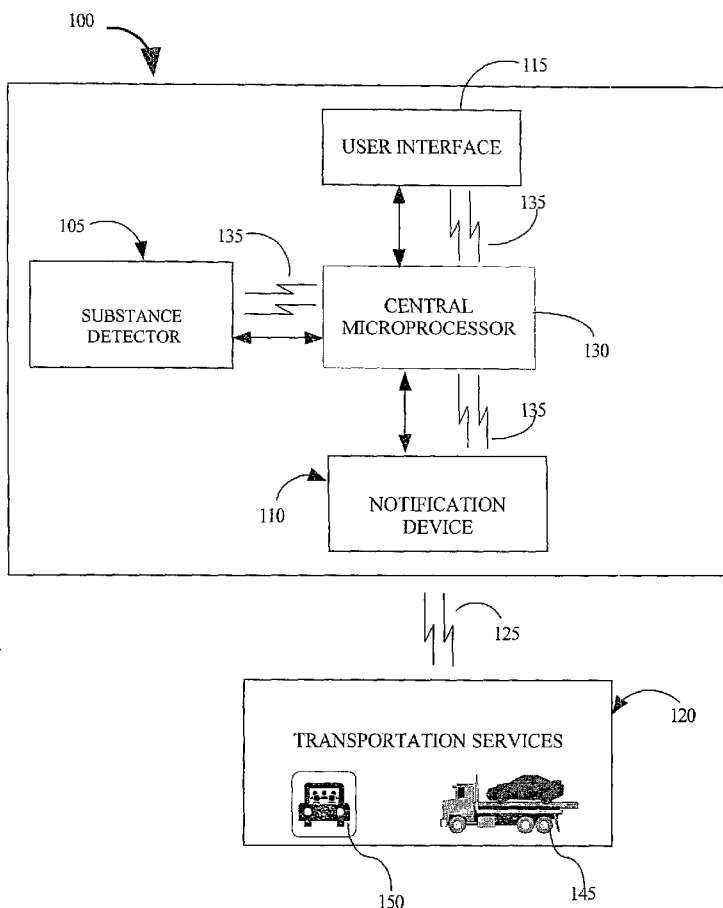
(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, 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

[Continued on next page]

(54) Title: AUTOMATIC SYSTEM FOR PROVIDING ASSISTANCE TO IMPAIRED DRIVERS



(57) Abstract: A system for providing assistance to impaired drivers including a substance detector for generating an impairment reading for a user based on a sample provided by the user and a notification device in communication with a transportation service in which the notification device contacts the transportation service when the impairment reading is outside a predetermined range. The notification device also provides the transportation service with navigational data when the notification device contacts the transportation service to permit the transportation service to locate the user. Additionally, a method for providing assistance to impaired drivers includes the steps of generating an impairment reading for a user based on a sample provided by the user and contacting a transportation service based on the impairment reading and providing the transportation service with navigational data to permit the transportation service to locate the user.



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

22 July 2004

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.