



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : G06K 9/78, G06T 7/00	A1	(11) International Publication Number: WO 00/46743 (43) International Publication Date: 10 August 2000 (10.08.00)
(21) International Application Number: PCT/AU00/00051 (22) International Filing Date: 1 February 2000 (01.02.00) (30) Priority Data: PP 8391 1 February 1999 (01.02.99) AU (71) Applicant (for all designated States except US): TRAFFIC PRO PTY LTD [AU/AU]; Suite B2, Burnside Village, 447 Port Rush Road, Glenside, S.A. 5065 (AU). (72) Inventor; and (75) Inventor/Applicant (for US only): COHEN, Peter, Geoffrey [AU/AU]; 29 Alexandra Avenue, Rose Park, S.A. 5067 (AU). (74) Agent: COLLISON & CO; 117 King William Street, Adelaide, S.A. 5000 (AU).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, 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, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published With international search report.

(54) Title: OBJECT RECOGNITION AND TRACKING SYSTEM**(57) Abstract**

An object recognition and tracking system having detector arrays (60, 70), each detector array (60, 70) including a first type of detector (95) and a second type of detector (96). The first type of detector (95) detects the presence of an object such as by changing contrast boundaries and hence objects (91, 92) that move in a detector space (90) and the second type of detector (96) focuses in on the defined object (91, 92) and to recognise, identify or record it. The detectors (95, 96) may be video, radar, microwave, radio frequency, infrared, millimetre wave, or transponder interrogators or a combination of these. Tracking of objects (91, 92) between adjoining detector spaces (90, 90) may also be done.

