

REVISED VERSION

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
29 December 2005 (29.12.2005)

PCT

(10) International Publication Number
WO 2005/124317 A2

(51) International Patent Classification⁷: **G06T 7/00**

(21) International Application Number:
PCT/US2005/019793

(22) International Filing Date: 6 June 2005 (06.06.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/865,155 9 June 2004 (09.06.2004) US
11/136,019 24 May 2005 (24.05.2005) US
11/136,103 24 May 2005 (24.05.2005) US

(71) Applicant (*for all designated States except US*):
COGNEX TECHNOLOGY AND INVESTMENT CORPORATION [US/US]; 1001 Rengstorff Avenue,
Mountain View, CA 94043 (US).

(72) Inventor; and

(75) Inventor/Applicant (*for US only*): **SILVER, William, M.**
[US/US]; 25 Arrowhead Road, Weston, MA 02193 (US).

(74) Agents: **LOGINOV, William, A.** et al.; Cesari and
McKenna, LLP, 88 Black Falcon Avenue, Boston, MA
02210 (US).

(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, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,
MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ,
OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL,
SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC,
VN, YU, 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, 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 declaration under Article 17(2)(a); without abstract;
title not checked by the International Searching Authority*

(48) Date of publication of this revised version:

27 April 2006

(15) Information about Correction:

see PCT Gazette No. 17/2006 of 27 April 2006

*For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*

(54) Title: METHOD AND APPARATUS FOR VISUAL DETECTION AND INSPECTION OF OBJECTS

(57) Abstract:



WO 2005/124317 A2