

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
7 December 2006 (07.12.2006)

PCT

(10) International Publication Number
WO 2006/130012 A1

(51) International Patent Classification:
G06K 9/03 (2006.01)

(21) International Application Number:
PCT/NO2006/000189

(22) International Filing Date: 19 May 2006 (19.05.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
20052656 2 June 2005 (02.06.2005) NO

(71) Applicant (for all designated States except US): **LUMEX AS** [NO/NO]; Øvre Vollgate 7, N-0158 Oslo (NO).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MEYER, Hans, Christian** [NO/NO]; Bygdøy Allé 33B, N-0262 Oslo (NO). **CARLIN, Mats, Stefan** [NO/NO]; Vallerveien 152 E, N-1346 Gjettem (NO). **FOSSEIDE, Knut, Tharald** [NO/NO]; Sagveien 8, N-1414 Trollåsen (NO).

(74) Agent: **MIDTTUN, Gisle**; Zacco Norway AS, P.O. Box 2003 Vika, N-0125 Oslo (NO).

(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, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, 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.

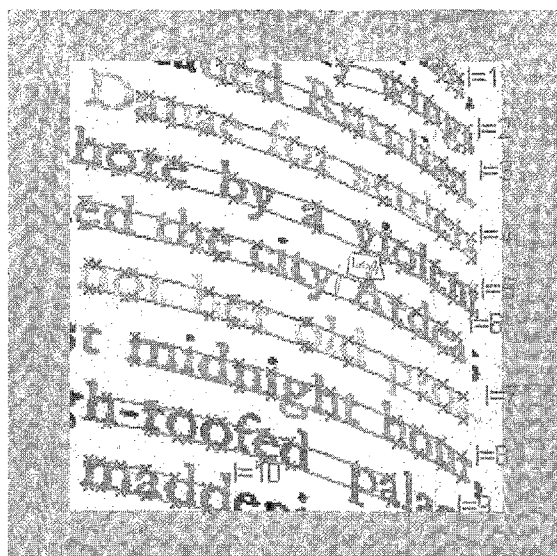
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, 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

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: METHOD, SYSTEM, DIGITAL CAMERA AND ASIC FOR GEOMETRIC IMAGE TRANSFORMATION BASED ON TEXT LINE SEARCHING



(57) Abstract: The present invention provides a method, system and/or a digital camera providing a geometrical transformation of deformed images of documents comprising text, by text line tracking, resulting in an image comprising parallel text lines. The transformed image is provided as an input to an OCR program either running in a computer system or in a processing element comprised in said digital camera.

WO 2006/130012 A1