



- (51) International Patent Classification:
G06T 15/00 (2006.01)
- (21) International Application Number:
PCT/US2011/067952
- (22) International Filing Date:
29 December 2011 (29.12.2011)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
13/021,893 7 February 2011 (07.02.2011) US
- (71) Applicant (for all designated States except US): **INTEL CORPORATION** [US/US]; 2200 Mission College Boulevard, Santa Clara, California 95052 (US).
- (72) Inventors; and
(75) Inventors/Applicants (for US only): **MUNKBERG, Carl J.** [SE/SE]; S:T Knuts Väg 6B, S-21157 Malmö, M (SE). **AKENINE-MÖLLER, Tomas G.** [SE/SE]; Rosenvägen 13, S-22738 Lund, M (SE). **HASSELGREN, Jon N.** [SE/SE]; Sparvvägen 4, S-21832 Bunkflostrand, M (SE). **TOTH, Robert M.** [SE/SE]; Parternas Gränd 65, S-22647 Lund, M (SE).
- (74) Agent: **TROP, Timothy, N.**; Trop, Pruner & Hu, P.C., 1616 S. Voss Rd., Ste. 750, Houston, Texas 77057-2631 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR,

[Continued on next page]

(54) Title: MICROPOLYGON SPLATTING

(57) Abstract: Micropolygon splatting may involve tessellating by subdividing a mesh until triangle edges are shorter than 0.75 pixels. In some cases, rasterizing the primitive may be avoided.

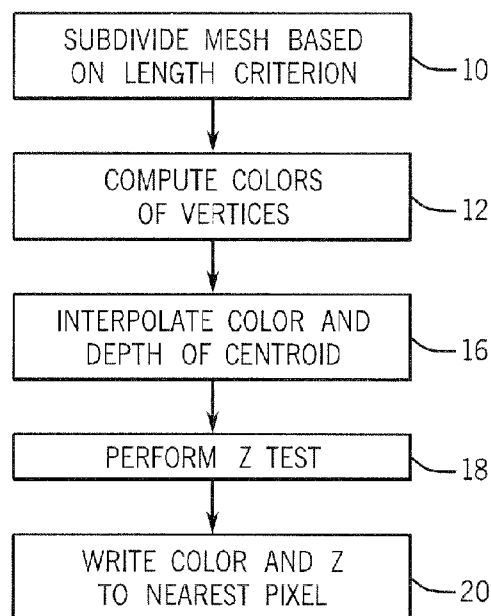


FIG. 1



KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, 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, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- as to the identity of the inventor (Rule 4.17(i))
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

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

8 November 2012

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2011/067952**A. CLASSIFICATION OF SUBJECT MATTER****G06T 15/00(2006.01)i**

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)

G06T 15/00; G06T 17/00; G06T 15/30

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: Tessellation, Mesh, Polygon, Rendering, and similar terms.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2001-0013866 A1 (ALEXANDER MIGDAL et al.) 16 August 2001 See abstract, paragraph[0043] - paragraph[0052], and claims 1 - 3.	1-30
A	US 2007-0188487 A1 (DANIEL BROKENSHIRE et al.) 16 August 2007 See abstract, paragraph[0017] - paragraph[0044], and figures 1A - 2.	1-30
A	US 2008-0043016 A1 (JIANG HUANG et al.) 21 February 2008 See abstract, paragraph[0024] - paragraph[0029], claim 1, and figures 2 - 3.	1-30
A	US 7023435 B1 (NATHAN JACOB LITKE et al.) 04 April 2006 See abstract, column 05, line 54 - column 17, line 28, and figures 2 - 10.	1-30

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

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"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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Date of the actual completion of the international search

29 AUGUST 2012 (29.08.2012)

Date of mailing of the international search report

30 AUGUST 2012 (30.08.2012)

Name and mailing address of the ISA/KR

Korean Intellectual Property Office
189 Cheongsa-ro, Seo-gu, Daejeon Metropolitan
City, 302-701, Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

PARK, SANGCHEOL

Telephone No. 82-42-481-8372



INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2011/067952

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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