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SUPERINDUSTRIA Y COMERCIO
Radicación : 04033091 00000001 Folios: 7
Fecha (MCD): 2005-05-18 16:58:26
Trámite : 011 PCT-PATENT 379 FASE MACI 444 REPUESTA
Dependencia: 2000 DIVISION DE NUEVAS CREACIONES

Trámite :011
Evento :379
Actuación :444

Referencia : Expediente No. 04.033.091
Asunto : Solicitud de patente para
"ESTABILIZACIÓN DE IMAGEN UTILIZANDO
COMPARACIÓN DE COLOR"
Solicitante : INTERGRAPH HARDWARE TECHNOLOGIES COMPANY
Fecha de Solicitud : 07 de abril de 2004

1. Yo, Emilio FERRERO, obrando como apoderado del solicitante en el asunto antes identificado, me refiero al oficio número 12373 notificado por fijación en lista el 11 de marzo de 2005.

2. Me permito atender el oficio número 12373 en referencia de la siguiente manera:

2.1. Anexos del Reporte de Examen Preliminar Internacional. Me permito informar que el reporte de examen preliminar internacional correspondiente a la solicitud de patente en referencia no comprende anexos. No obstante lo anterior, me permito presentar copia de dicho reporte.

2.2. Documento de Cesión. Me permito informar que, mediante mi memorial No. 04033091 00000001 radicado ante su Despacho el día 12 de mayo de 2004, presenté el documento de cesión otorgado por los inventores de la solicitud de patente en

referencia a la compañía solicitante, debidamente autenticado y legalizado por Apostilla y acompañado de su correspondiente traducción oficial al español.

3. Puesto que se han atendido a cabalidad las observaciones de carácter formal hechas por ese Despacho sobre la presente solicitud de patente, atentamente solicito a ustedes que se continúe su tramitación.

Bogotá, 10 MAYO 2005
Señora Jefe,


EMILIO FERRERO
T.P.A. No. 31.929

 COLO 14208-841-002-2
MRE/DLM/ID-000021/WPC14208

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 1247/A65 WO	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/US02/28352	International filing date (day/month/year) 06 September 2002 (06.09.2002)	Priority date (day/month/year) 07 September 2001 (07.09.2001)
International Patent Classification (IPC) or national classification and IPC IPC(7): H04N 5/228; G06K 9/32 and US Cl.: 348/208.6; 382/294		
Applicant INTERGRAPH HARDWARE TECHNOLOGIES COMPANY		
1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36. 2. This REPORT consists of a total of <u>4</u> sheets, including this cover sheet. ☐ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT). These annexes consist of a total of _____ sheets. 3. This report contains indications relating to the following items: - I ☒ Basis of the report - II ☐ Priority - III ☐ Non-establishment of report with regard to novelty, inventive step and industrial applicability - IV ☐ Lack of unity of invention - V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement - VI ☒ Certain documents cited - VII ☐ Certain defects in the international application - VIII ☐ Certain observations on the international application		
Date of submission of the demand 21 January 2003 (21.01.2003)	Date of completion of this report 16 August 2004 (16.08.2004)	
Name and mailing address of the IPEA/US Mail Stop PCT, Attn: IPEA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230	Authorized officer Wendy Garber Telephone No. (703) 305-9600	

Form PCT/IPEA/409 (cover sheet)(July 1998)

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US02/28352

I. Basis of the report

1. With regard to the elements of the international application:*

- ☒ the international application as originally filed.
- ☒ the description:
pages 1-12 _____ as originally filed
pages NONE _____, filed with the demand
pages NONE _____, filed with the letter of _____
- ☒ the claims:
pages 13-21 _____, as originally filed
pages NONE _____, as amended (together with any statement) under Article 19
pages NONE _____, filed with the demand
pages NONE _____, filed with the letter of _____
- ☒ the drawings:
pages 1-8 _____, as originally filed
pages NONE _____, filed with the demand
pages NONE _____, filed with the letter of _____
- ☐ the sequence listing part of the description:
pages NONE _____, as originally filed
pages NONE _____, filed with the demand
pages NONE _____, filed with the letter of _____

2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language _____ which is:

- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).

3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in printed form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages NONE
- ☐ the claims, Nos. NONE
- ☐ the drawings, sheets/fig NONE

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**

* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).

** Any replacement sheet containing such amendments must be referred to under Item 1 and annexed to this report.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.
PCT/US02/28352**V. Reasoned statement under Rule 66.2(a)(II) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement****1. STATEMENT**

Novelty (N)	Claims 1-42	YES
	Claims NONE	NO
Inventive Step (IS)	Claims 1-42	YES
	Claims NONE	NO
Industrial Applicability (IA)	Claims 1-42	YES
	Claims NONE	NO

2. CITATIONS AND EXPLANATIONS

Claims 1-4, 10, 12, 14, 16, 23-26, 33, 35, 37, and 38 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest providing a color matching range, comparing colors in two successive images to find a pixel match, and repositioning the second image at the address of the pixel match in first image.

Claims 5-9, 11, 13, 15, 17, 27-32, 34, 36, and 39 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest a method for image stabilization of a sequence of images that operates to select a pixel in the beginning and ending images, linearly interpolating between the colors for each image in between, searching for a color within a predetermined range of colors and repositioning each image.

Claims 18, 19, 40, and 41 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest receiving a signal representative of a color of a pixel in a first image, identifying a pixel in a second image of the same color within a predetermined range, and repositioning the second image so that the pixel resides at the same address as the first image.

Claims 20 and 42 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest interpolating between a color of a pixel in a first image and the color of a pixel in a third image to determine a searchable color, then identifying a color in the second image with a threshold range of the color, and repositioning the second image according to the first pixel address.

Claims 21 and 22 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest a repositioning module for readdressing a second video image so that a pixel is located at the pixel location of a pixel of a color within a range in a first image.

Claims 1-42 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be made or used in industry.

NEW CITATIONS

US 5,973,733 A (GOVE) 26 October 1999
US 5,629,988 A (BURT et al.) 13 May 1997
US 6,122,004 A (HWANG) 19 September 2000
US 5,099,323 A (MORIMURA et al.) 24 March 1992
US 6,002,428 A (MATSUMURA et al.) 14 December 1999
US 5,253,052 A (HANASHIRO et al.) 12 October 1993
US 6,211,913 A (HANSEN et al.) 3 April 2001
Morimoto et al., "Fast Electronic Digital Image Stabilization", IEEE Proceedings of ICPR '96, 1996, 284-288
Chen et al., "A Novel Structure for Digital Image Stabilizer", IEEE, 2000, pgs. 101104

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US02/28352

VI. Certain documents cited

1. Certain published documents (Rule 70.10)

Application No Patent No.	Publication Date (day/month/year)	Filing Date (day/month/year)	Priority date (valid claim) (day/month/year)
US 6,459,822 A	01 October 2002 (01.10.2002)	26 July 1999 (26.07.1999)	26 August 1998 (26.08.1998)
US 6,396,961 B1	28 May 2002 (28.05.2002)	31 August 1998 (31.08.1998)	16 April 1998 (16.04.1998)

2. Non-written disclosures (Rule 70.9)

Kind of non-written disclosure	Date of non-written disclosure (day/month/year)	Date of written disclosure referring to non-written disclosure (day/month/year)
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Bogotá D C

Doctor(a)
EMILIO FERRERO.
Apoderado(a)

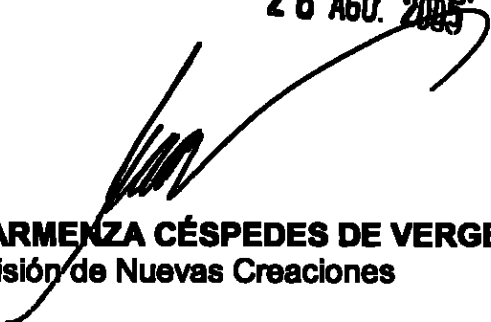
REFERENCIA:	Radicación N°	04-33091
	Solicitud internacional	PCT/US02/28352
	Fecha límite fase nacional	07/06/2004
	Trámite	011
	Evento	379
	Actuación	416
	Oficio N°	734
	Folios	001

Teniendo en cuenta que la solicitud de privilegio de patente que se tramita bajo el expediente indicado en la referencia, reúne los requisitos de forma establecidos en los artículos 26 y 27 de la Decisión 486, de la Comisión de la Comunidad Andina, y en las demás disposiciones vigentes sobre la materia, se envía el extracto de la solicitud a la oficina de comunicaciones para efecto de su publicación en la Gaceta de Propiedad Industrial, conforme lo establece el artículo 40 de la Decisión 486.

Cúmplase

Dado en Bogotá D C,

26 ABO. 2005


ALIX CARMENZA CÉSPEDES DE VERGEL
Jefe División de Nuevas Creaciones

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