



(51) International Patent Classification:

B41J 29/13 (2006.01) *B41J 29/00* (2006.01)
B41J 29/02 (2006.01) *B41J 2/175* (2006.01)

(21) International Application Number:

PCT/JP2012/055502

(22) International Filing Date:

28 February 2012 (28.02.2012)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

2011-042306 28 February 2011 (28.02.2011) JP
2011-042315 28 February 2011 (28.02.2011) JP

(71) Applicant (for all designated States except US): **SEIKO EPSON CORPORATION** [JP/JP]; 4-1, Nishi-Shinjuku 2-chome, Shinjuku-ku, Tokyo, 1630811 (JP).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **SUZUKI, Yuto** [JP/JP]; c/o SEIKO EPSON CORPORATION, 3-5, Owa 3-chome, Suwa-shi, Nagano, 3928502 (JP). **KISHIGAMI, Minoru** [JP/JP]; c/o SEIKO EPSON CORPORATION, 3-5, Owa 3-chome, Suwa-shi, Nagano, 3928502 (JP).

(74) Agent: **Shin-Ei Patent Firm, P.C.**; Toranomon East Bldg. 8F, 7-13, Nishi-Shimbashi 1-chome, Minato-ku, Tokyo, 1050003 (JP).

(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, KE, KG, KM, KN, KP, KR, 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).

Published:

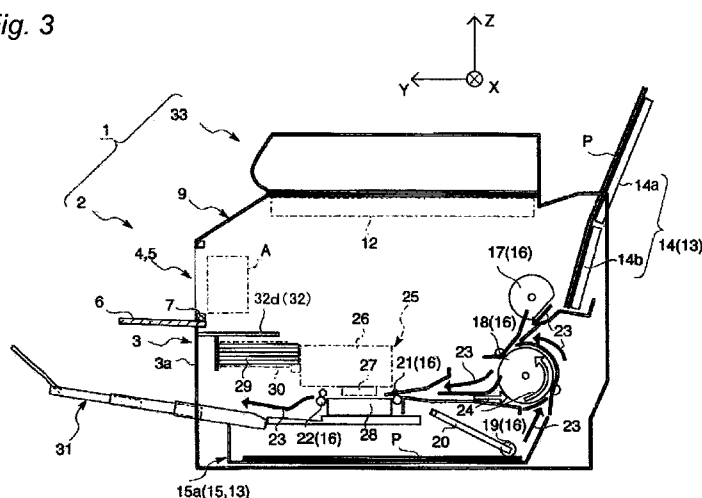
- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

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

15 November 2012

(54) Title: RECORDING APPARATUS

Fig. 3



(57) Abstract: A recording apparatus includes a case. In the case, a feeding unit configured to feed a recording medium in a feeding direction, a feeding path through which the recording medium is fed, a recording unit configured to record on the recording medium, and an ink tube connected to the recording unit and an ink cartridge for supplying ink to the recording unit are provided. A first opening is provided in a face of the case for allowing the recording medium disposed in the feeding path to be removable. A second opening is provided in the face where the first opening is provided for allowing the ink cartridge to be installed. An operating unit is provided above the first opening.

INTERNATIONAL SEARCH REPORT

International application No
PCT/JP2012/055502

A. CLASSIFICATION OF SUBJECT MATTER

INV. B41J29/13 B41J29/02 B41J29/00 B41J2/175
ADD.

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)
B41J

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

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

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2007/211131 A1 (IIJIMA SHOTA [JP]) 13 September 2007 (2007-09-13) paragraphs [0042], [0052]; figures 1,2,3,7	1-13
X	US 2004/234320 A1 (YOSHIHARA HIDEO [JP]) 25 November 2004 (2004-11-25) paragraphs [0041], [0042], [0047], [0074]; figures 1,2, 8	1-13
X	US 2007/077108 A1 (KAWASAKI KOTARO [JP]) 5 April 2007 (2007-04-05) paragraphs [0048], [0049], [0051]; figure 2	1-4,8-11
X	US 2003/052956 A1 (KATSUYAMA GORO [JP]) 20 March 2003 (2003-03-20) paragraph [0030]; figures 2, 3	1-4,8-11
	-/--	



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

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"&" document member of the same patent family

Date of the actual completion of the international search

26 September 2012

Date of mailing of the international search report

04/10/2012

Name and mailing address of the ISA/

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040,
Fax: (+31-70) 340-3016

Authorized officer

Adam, Emmanuel

INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2012/055502

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- ☒ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International application No
PCT/JP2012/055502

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2006/125904 A1 (SHOKAI TAKEHARU [JP]) 15 June 2006 (2006-06-15) paragraph [0024] -----	1-4,8-11
A	EP 1 318 019 A2 (BROTHER IND LTD [JP]) 11 June 2003 (2003-06-11) paragraphs [0027], [0032]; figures 3, 5 -----	6,7,12, 13
X	US 2006/192833 A1 (SAMOTO KENJI [JP] ET AL) 31 August 2006 (2006-08-31) paragraph [0068]; figure 4 -----	14-17
A	-----	6,7
X	EP 2 075 131 A2 (BROTHER IND LTD [JP]) 1 July 2009 (2009-07-01) paragraph [0088]; figure 5 -----	14-17
A	-----	6,7
X	US 2004/125180 A1 (KOGA YUJI [JP]) 1 July 2004 (2004-07-01) paragraph [0053]; figures 7-9 -----	6,7, 14-17
X	US 2004/125181 A1 (NAKAMURA SHINICHI [JP]) 1 July 2004 (2004-07-01) pages 6, 7, paragraph 76; figure 1 -----	14-17
X	US 2005/140752 A1 (SHIHO AKIHIKO [JP] ET AL) 30 June 2005 (2005-06-30) paragraphs [0104], [0105]; figure 2 -----	14-17
X	US 2005/162486 A1 (WATARAI KATSUYA [JP]) 28 July 2005 (2005-07-28) paragraph [0062]; figure 15 -----	14-17

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/JP2012/055502

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FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-13

recording apparatus comprising:

- an ink tube, connected to the recording unit and an ink cartridge for supplying ink to the recording unit;
- a first opening, provided in a face of the case for allowing the recording medium disposed in the feeding path to be removable;
- a second opening, provided in the face where the first opening is provided for allowing the ink cartridge to be installed;
- an operating unit, provided above the first opening;
- a cover member, configured to open and close the first opening;
- a reader, provided on a top face of the case, and configured to read an image.

2. claims: 14-17

recording apparatus comprising:

- a flexible member connected to the recording unit, and a flexure thereof being changed with movement of the carriage;
- an opening, provided in the case of the apparatus, and communicated with the feeding path provided in the case;
- a protector or screen member, provided between a first opening provided in the case and the feeding path through which the medium is fed; and configured to protect or screen the flexible member.
