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(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
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CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM,
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
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KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY,
MA, MD, MG, MK, MN, MU, MW, MX, MY, MZ, NA,
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Published:

- with international search report (Art. 21(3))
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amendments (Rule 48.2(h))

(54) Title: LYRICS AND KARAOKE USER INTERFACES, METHODS AND SYSTEMS

(57) Abstract: In some embodiments, an electronic device changes a value of a first visual characteristic with which lyrics are displayed in response to detecting a change in a performer of lyrics associated with a song or other type of content item. In some embodiments, an electronic device displays a vocal attenuation control element and changes a vocal volume (e.g., a volume of vocals) of a content item, such as a song, in response to input directed to the vocal attenuation control element.

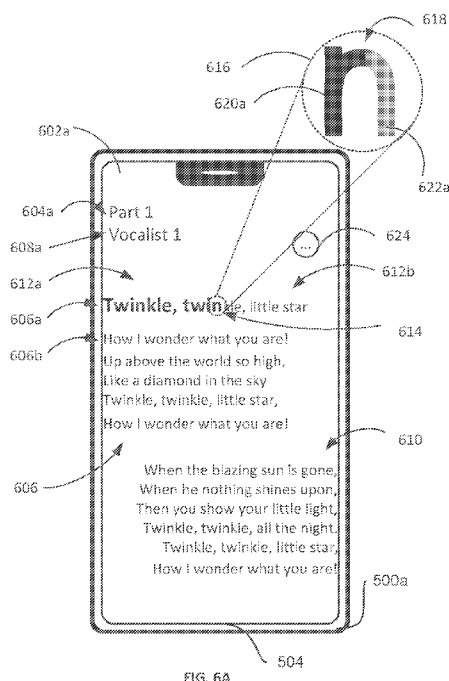


FIG. 6A

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER INV. G10H1/36 G11B27/10 G11B27/34 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) G10H G11B G06F 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		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Anonymous: "Create song with duets", , 19 June 2021 (2021-06-19), XP093140514, Retrieved from the Internet: URL:https://www.powerkaraoke.com/help/kara okecdgcreator/_hm_print_window.htm?creat_s ong_with_duets.html [retrieved on 2024-03-12] the whole document	1,5,6,8, 16-30
X	& Anonymous: "Duet settings", , 19 June 2021 (2021-06-19), XP093140546, Retrieved from the Internet: URL:https://www.powerkaraoke.com/help/kara okecdgcreator/_hm_print_window.htm?duet_se ttings.html [retrieved on 2024-03-12] the whole document ----- -/-	5
☒ 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 "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "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 "Y" document of particular relevance;; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
Date of the actual completion of the international search 13 March 2024		Date of mailing of the international search report 06/06/2024
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 Maetz, Arnaud

INTERNATIONAL SEARCH REPORT

International application No

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 2005 234121 A (XING INC) 2 September 2005 (2005-09-02) paragraphs [0020], [0024] - [0026], [0029], [0035]; figures 3-6 -----	1-4, 6, 7, 16-22
X	JP 2012 159575 A (DAIICHIKOSHO CO LTD) 23 August 2012 (2012-08-23)	1-4, 6-14
Y	paragraphs [0002], [0010], [0035] - [0046] -----	15
Y	US 2020/379715 A1 (WON AGNES [US] ET AL) 3 December 2020 (2020-12-03) paragraphs [0206] - [0209]; figure 6 -----	15
A	US 2021/055905 A1 (MOLDOVER JON [US] ET AL) 25 February 2021 (2021-02-25) paragraphs [0063], [0070]; figures 2-7, 11-19 -----	15-22
A	JP 2004 302232 A (DAIICHIKOSHO CO LTD) 28 October 2004 (2004-10-28) pages 3-5; figure 5 -----	9
A	Anonymous: "formatting - How to display a duet in lyrics? - Writing Stack Exchange", , 9 August 2019 (2019-08-09), XP093140504, Retrieved from the Internet: URL:https://writing.stackexchange.com/ques tions/47218/how-to-display-a-duet-in-lyric s [retrieved on 2024-03-12] the whole document -----	5, 8

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2023/082395

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.:

1 - 30

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.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

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

1. claims: 1-30

Visually distinguishing verbal content associated to
different performers (lyrics display)

2. claims: 31-60

Changing the playback volume of a vocal portion (audio
editing):

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2023/082395

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 2005234121 A	02-09-2005	NONE	
JP 2012159575 A	23-08-2012	NONE	
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