Title: TACTILE FEEDBACK APPARATUS AND METHOD

Abstract: The present invention provides apparatuses and methods for a tactile feedback instrument, and more specifically, some embodiments are directed toward methods and apparatuses for a tactile feedback stylus. Some embodiments of the invention provide a stylus used in conjunction with mobile devices. Further embodiments of the invention provide a game system, comprising a game console and a stylus. Within such embodiments, the stylus comprises an electric motor and a control circuit coupled to the electric motor that is in communication with the game console and controls the electric motor. Within some of these embodiments, the stylus can vibrate or rumble when the electric motor is activated in response to gaming activity.
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, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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

Date of publication of the international search report: 23 September 2010
**INTERNATIONAL SEARCH REPORT**

**A. CLASSIFICATION OF SUBJECT MATTER**

| INV. | A63F13/04 | A63F13/06 | G06F3/01 |

According to International Patent Classification (IPC) or to both national classification and IPC

**B. RELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

A63F  G06F

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

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

EPO-Internal, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

<table>
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<tr>
<th>Category</th>
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<th>Relevant to claim No</th>
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<td>paragraphs [0005], [0 17], [0 18]</td>
<td>6,7,10, 11,25, 26,29, 30,43,44</td>
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<td></td>
<td>figures 1,3 abstract</td>
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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 document but published on or after the international filing date
  - 'L' document which may throw doubts on patentability 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 patent date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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  - 'S' document member of the same patent family

Date of the actual completion of the international search: 1 April 2010

Date of mailing of the international search report: 03/08/2010

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Authorized officer

Mikulastik, Patrick
**C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT**

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<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No</th>
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abstract<br>figure 1<br>paragraph [0019]
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).

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 1-7, 10, 11, 21-26, 29, 30, 36-38, 43, 44, 49-53.

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

1. claims: 1-7, 10, 11, 21-26, 29, 30, 36-38, 43, 44, 49-53
   Transmitter in mechanically detachable cartridge

2. claims: 8, 9, 12, 13, 27, 28, 31, 32, 45
   Use of certain signal pulses for control of feedback mechanism

3. claims: 14-16, 33-35, 46-48, 57, 58
   Visual indication of feedback mechanism activity

4. claims: 17-20, 39-42, 54-56
   Sensory feedback from stylus to game console
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<th>Publication date</th>
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<td>US 2006158440 A1</td>
<td>20-07-2006</td>
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Form PCT/ISA/210 (patent family annex) (April 2005)