TITLE: VISUAL AND AUDIO TRAINING MODULE DEVICE

ABSTRACT: A visual and sound training module device for running training modules containing sound and images. Adapted according to the target audience, such as different age ranges. It runs by manually mounting to a main device of an external hardware on which are installed parts of the program and which are specially developed for use with this main device.
Visual and Audio Training Module Device

DESCRIPTION

Technical Field to which the Invention is relevant

This is an Visual and Audio Training Module Device, which is aimed to increase the knowledge and awareness of the target groups in the age range varying according to training or education subject.

State of the art

As a result of the research made by me I have not found any voice and visual functioning training module device.

The technical problems that the invention aims to solve

This is a voice and visual broadcasting device, developed to run external training modules oriented to improve the different age range children’s knowledge, skills and awareness, taking into account at the same time their special health and educational needs and fields of interests.

For all of the children the injection hours are a painful process from psychological and physical aspects.

The majority of them cannot share and also cannot be in solidarity with their peers having also diabetics and thus having the same lifestyle.

The process of informing and training about the disease and its complications is a situation that requires special approaches and techniques.

A need for a role model is arising to be an example of determination and courage for the children feeling anxiety and fear in the point of self-injection.

Taking into account the age range of the target group, emerges the importance of the entertaining training method among the preferable methods.

As a result of blood sugar levels the regulation of which not being possible because of incorrect / incomplete insulin applications and poor eating and nutrition habits due to the incorrect/incomplete awareness, body’s health and integrity and the life quality are reduced severely.

With the project expected to be effective in solving the problems outlined above following objectives are aimed:

To make funny the children’s injection time.
To improve the life quality by providing learning the information about the disease (hyperglycemia, hypoglycemia, diabetes, etc.) thanks to the training module used by them by means of this device, how they should nourished and diet, what foods are beneficial, which are harmful, the importance of snacks and refreshment.

To improve their self-esteem by providing having their own self-control concerning the disease in school time and period. To teach them to do on their own the insulin application. To show and recount to them the right injection sites. To increase awareness of the children related with diabetes entertaining them at the same time. To create a new way of life.

**Description of the invention**

The training modules including sound and image, properly prepared according to the subjects changing pursuant to the target audience being with different age range, are android software, which will be ready for use by being integrated into the device with specifically designed external memory. The device processor consists of two parts. When the part of the processor will be in the main device, it's another part will available in the external memory. Although the use of the device is possible by mounting the both parts manually to each other, using of them separately will not be possible. The device does not allow any hardware installation except the training module prepared by us. The devices has a touch screen being designed of 7 inches allow to be used more easily by the children.

**The industrial application of the invention**

In the training modules bringing the educational and entertaining solution to the above-mentioned problems will be used the Visual Studio 2013 platform. In addition to the Platforms will be added the Xamarin Android plug-in. In the code part using of the C# coding is aiming the development of the requested Android application.

Using of the device functioning as the main display for publishing of the sound and images, which is running by mounting to the main unit the external equipment, on which is installed Android application.
Claims

1. The invention is a Visual and Audio Training Module Device, and its property and characteristic is; being a visual and audio broadcasting device developed to be run by the external hardware on which is installed the sound and visual training module.

2. In the demand 1, there are the visual and audio training modules and their properties and characteristics are; to have one or more than one section, images and audio for the requested training.

3. In the Demand 1 there is the external hardware, on which are is installed the training modules, and it’s properties and characteristics are; to be the equipment, on which are installed the training module software and being developed and produced to be used in this device, and running being mounted manually to the main device which will functioning as the monitor at the same time and running the main device because the part of the processor’s system is here.

4. In the Demand 1 there is sound and visual broadcasting device having the external hardware and developed to run the training modules and which properties and specifications are; to be a device being designed with the 7-Inch size, having a touch screen allowing the transfer of the sound and images and working by manually mounting the external hardware on which are installed the training modules developed to run it.
### A. CLASSIFICATION OF SUBJECT MATTER

**INV.** G09B5/02
**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)

G09B

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

### C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category*</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>WO 2012/094718 A1 (DOUEN ANDRE [CA])</td>
<td>1-4</td>
</tr>
<tr>
<td></td>
<td>19 July 2012 (2012-07-19) paragraph 4;</td>
<td></td>
</tr>
<tr>
<td></td>
<td>page 5 figures 1, 3A, 3B paragraph two;</td>
<td></td>
</tr>
<tr>
<td></td>
<td>page 19 paragraph two;</td>
<td></td>
</tr>
<tr>
<td></td>
<td>page 18</td>
<td></td>
</tr>
<tr>
<td>X</td>
<td>US 2008/045780 A1 (BROWN STEPHEN J [US])</td>
<td>1-4</td>
</tr>
<tr>
<td></td>
<td>21 February 2008 (2008-02-21) abstract</td>
<td></td>
</tr>
<tr>
<td></td>
<td>figures 1-7 paragraph [0030] - paragraph [0032] paragraph [0037]</td>
<td></td>
</tr>
</tbody>
</table>

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

  "S" document member of the same patent family

Date of the actual completion of the international search: 23 March 2016

Date of mailing of the international search report: 05/04/2016

Name and mailing address of the ISA/
European Patent Office, P.B. 5618 Patentlaan 2
NL - 2280 HV RIJSWIJK
Tel. (+31-70) 340-2040,
Fax (+31-70) 340-3016

Authorized officer:
Kirchler, Dominik
<table>
<thead>
<tr>
<th>Patent document cited in search report</th>
<th>Publication date</th>
<th>Patent family member(s)</th>
<th>Publication date</th>
</tr>
</thead>
<tbody>
<tr>
<td>WO 2012094718 A1</td>
<td>19-07-2012</td>
<td>NONE</td>
<td></td>
</tr>
<tr>
<td>US 2008045780 A1</td>
<td>21-02-2008</td>
<td>NONE</td>
<td></td>
</tr>
</tbody>
</table>