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(54) **INTERCHANGEABLE KEYBOARD FOR ACCORDION**

(57) An interchangeable keyboard for an accordion, characterised essentially in that it is compatible with the accordion, and is formed by an accordion keyboard that

features connector pins compatible with the bank of connectors of the accordion.

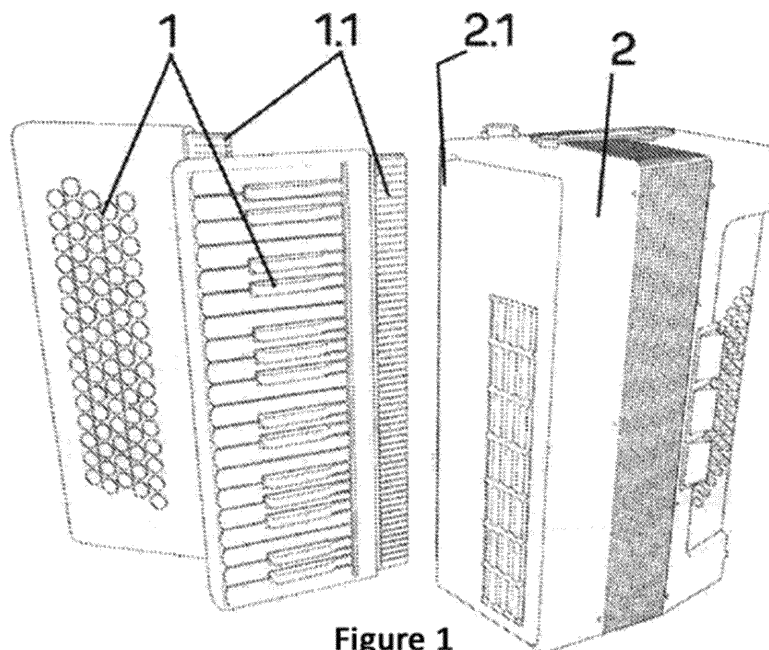


Figure 1

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Description

Object of the invention

[0001] The invention, as established in the title of the present specification, i.e., interchangeable keyboard for accordion, constitutes an innovation which provides advantages that are not known until now within the current state of the art.

[0002] The interchangeable keyboard for accordion brings a novel utility to the current state of the art, allowing the keyboard of an accordion to be interchanged to thereby standardize the accordion, and this allows different types of keyboards, either with buttons or keys, to be used in one and the same accordion, so, one and the same accordion can be used with different keyboard configurations. More specifically, the interchangeable keyboard for accordion is formed by an accordion keyboard that features a connector pin compatible with the strip of the accordion to make a practicable connection between the keyboard and the accordion; this practicable connection is ensured by means of a mechanical safety which prevents accidental disconnection and allows disconnecting the keyboard whenever the user wishes.

Field of application of the invention

[0003] The field of application of the present invention is within the sector of musical instruments, and more specifically as an accessory applicable to accordions.

Background of the invention

[0004] Today, accordions come with their keyboards incorporated therein in a non-removable manner; although this obviously does not entail any technical problem, it does limit the use of the accordions, given that each accordion only has a single keyboard, limiting the possibilities thereof, considering that depending on the region of use of the accordion, or depending on the type of user, there may be a need to use keyboards with certain differences; this can make it necessary to have several accordions in which only the type of keyboard is different.

[0005] The proposed interchangeable keyboard for accordion bring a novel utility to the current state of the art, allowing the keyboard of an accordion to be interchanged to enable using one and the same accordion with different types of keyboards, standardizing and facilitating use.

[0006] The existence of an interchangeable keyboard for accordion having structural and constitutive technical features that are identical or similar to those described in this specification as claimed is not known today.

Description of the invention

[0007] The object of the present invention relates to an interchangeable keyboard for accordion, providing a sig-

nificant innovation within its field of application, with the characterizing details making it possible being suitably described in the final claims accompanying the present description.

[0008] The interchangeable keyboard for accordion brings a novel utility to the current state of the art, allowing the keyboard of an accordion to be interchanged with another keyboard of another type or configuration, in order to thereby provide a more versatile accordion; this allows using the type of keyboard that the user needs in one and the same accordion, providing greater versatility to the accordion.

[0009] More specifically, the interchangeable keyboard for accordion is compatible with the accordion and is formed by an accordion keyboard that features connector pins compatible with the strip of connectors of the accordion.

[0010] The accordion features elements typical of an accordion, and furthermore features a strip of connectors compatible with the connector pins of the keyboard. The accordion features anti-disconnection couplings compatible with the anti-disconnection safety of the keyboard.

[0011] The accordion keyboard features elements typical of a keyboard, and furthermore features connector pins and an anti-disconnection safety. The connector pins of the keyboard are compatible with the strip of connectors of the accordion so as to allow connection for the transmission of communication between the keyboard and the accordion.

[0012] The connector pins of the keyboard and the strip of connectors of the accordion, as a result of their design and shape, provide a stable and solid support attachment required between the keyboard and the accordion.

[0013] The anti-disconnection safety of the keyboard is compatible with the anti-disconnection couplings of the accordion and serve for locking the attachment between the keyboard and the accordion to prevent accidental disconnection.

[0014] The anti-disconnection safety is deactivated by means of a drive which, when pressed, unlocks the keyboard-accordion attachment and the disconnection thereof is thereby allowed for changing the keyboard or for keeping the keyboard and the accordion away when they are no longer in use.

[0015] For this reason, the interchangeable keyboard for accordion of the present invention presents a significant innovation with respect to the current state of the art.

Explanation of the figures

[0016] To complete the description provided herein, and for the purpose of helping to make the features of the invention more readily understandable, this description is accompanied by a figure constituting an integral part of the same, which by way of illustration and not limitation represents the following.

[0017] Figure 1 shows a view in which an accordion with the interchangeable keyboards is depicted.

Preferred embodiment of the invention

[0018] The object of the present invention relates to an interchangeable keyboard for accordion, providing a significant innovation within its field of application, with the characterizing details making it possible being suitably described in claims.

[0019] The accordion (2) features elements typical of an accordion, and furthermore features a strip (2.1) of connectors compatible with the connector pins (1.1) of the keyboard (1).

[0020] The accordion (2) features anti-disconnection coupling (not depicted) compatible with the anti-disconnection safety (not depicted) of the keyboard (1). The accordion keyboard (1) features elements typical of a keyboard and furthermore features connector pins (1.1) and an anti-disconnection safety (not depicted).

[0021] The connector pins (1.1) of the keyboard (1) are compatible with the strip (2.1) of connectors of the accordion (2) so as to allow connection for the transmission of communication between the keyboard (1) and the accordion (2). The connector pins (1.1) of the keyboard (1) and the strip (2.1) of connectors of the accordion (2), as a result of their design and shape, provide a stable and solid support attachment required between the keyboard (1) and the accordion (2).

[0022] The anti-disconnection safety (not depicted) of the keyboard (1) is compatible with the anti-disconnection couplings (not depicted) of the accordion (2) and serve for locking the attachment between the keyboard (1) and the accordion (2) to prevent accidental disconnection.

[0023] The anti-disconnection safety (not depicted) is deactivated by means of a drive which, when pressed, unlocks the keyboard (1)-accordion (2) attachment and the disconnection thereof is thereby allowed for changing the keyboard (1) or for keeping the keyboard (1) and the accordion (2) away.

pins (1.1) and an anti-disconnection safety.

4. The interchangeable keyboard for accordion according to the preceding claims, characterized essentially in that, the anti-disconnection safety of the keyboard (1) is compatible with the anti-disconnection couplings of the accordion (2) for locking the attachment between the keyboard (1) and the accordion (2).
5. The interchangeable keyboard for accordion according to the preceding claims, characterized essentially in that the anti-disconnection safety is deactivated by means of a drive which, when pressed, unlocks the keyboard (1)-accordion (2) attachment and the disconnection thereof is thereby allowed.

Claims

1. An interchangeable keyboard for accordion, characterized essentially in that it is compatible with the accordion (2) and is formed by an accordion keyboard (1) that features connector pins (1.1) compatible with the strip (2.1) of connectors of the accordion (2).
2. The interchangeable keyboard for accordion according to the preceding claim, characterized essentially in that the accordion (2) features anti-disconnection coupling compatible with the anti-disconnection safety of the keyboard (1).
3. The interchangeable keyboard for accordion according to preceding claims, characterized essentially in that the accordion keyboard (1) features connector

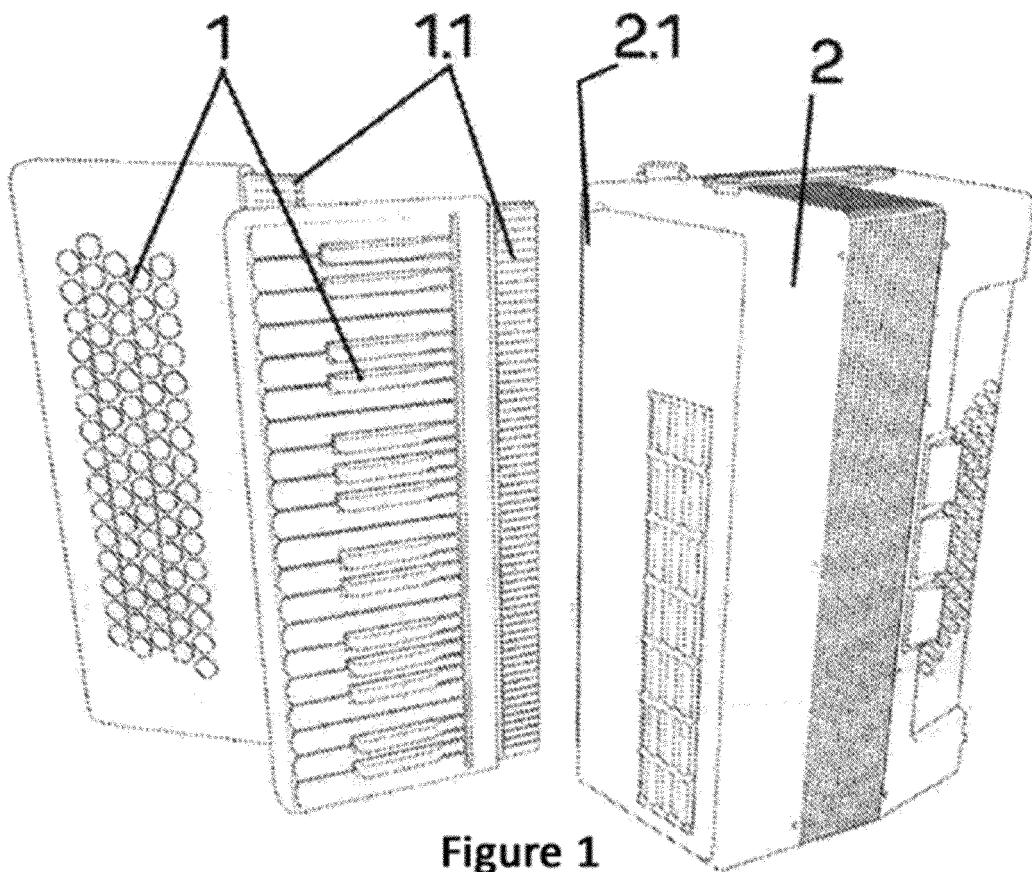


Figure 1

INTERNATIONAL SEARCH REPORT

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5	A. CLASSIFICATION OF SUBJECT MATTER		
	G10D11/00 (2006.01)		
	According to International Patent Classification (IPC) or to both national classification and IPC		
	B. FIELDS SEARCHED		
10	Minimum documentation searched (classification system followed by classification symbols) G10D		
	Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
15	Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EPODOC, INVENES		
	C. DOCUMENTS CONSIDERED TO BE RELEVANT		
20	Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
	A	CN 108428440 A (LYU JIN) 21/08/2018, Abstract from DataBase EPODOC. Retrieved from EPOQUE, figure 1	1
25	A	US 2826953 A (KARL SCHERER) 18/03/1958, Column 5, lines 14 - 60; figure 1,	1
	A	CN 202796022U U (JIANGSU HONGCHANG MUSICAL INSTR CO LTD.) 13/03/2013, Abstract from DataBase EPODOC. Retrieved from EPOQUE, Figures 1, 2	1
30	A	CN 2829006Y Y (LI YUQIU) 18/10/2006, Abstract from DataBase EPODOC. Retrieved from EPOQUE, figures 1-3	1
35			
40	<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.		
45	* 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 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 documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family	
50	Date of the actual completion of the international search 14/10/2020	Date of mailing of the international search report (16/10/2020)	
55	Name and mailing address of the ISA/ OFICINA ESPAÑOLA DE PATENTES Y MARCAS Paseo de la Castellana, 75 - 28071 Madrid (España) Facsimile No.: 91 349 53 04		Authorized officer R. San Vicente Domingo Telephone No. 91 3498525

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C (continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of documents, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GB 594119 A (MARIO SOPRANI) 04/11/1947, Page 1, lines 51 - 90; figures 1 - 2.	1

Form PCT/ISA/210 (continuation of second sheet) (January 2015)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/ES2020/000020

Information on patent family members

Patent document cited in the search report	Publication date	Patent family member(s)	Publication date
CN108428440 A	21.08.2018	NONE	
US2826953 A	18.03.1958	NONE	
CN202796022U U	13.03.2013	NONE	
CN2829006Y Y	18.10.2006	NONE	
GB594119 A	04.11.1947	NONE	

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