



(11) Publication number: 0 542 702 A3

## (12)

## **EUROPEAN PATENT APPLICATION**

(21) Application number: 92830622.4

(51) Int. CI.5: G10H 1/34

(22) Date of filing: 13.11.92

30) Priority: 14.11.91 IT RM910862

(43) Date of publication of application: 19.05.93 Bulletin 93/20

Designated Contracting States:

AT BE CH DE DK ES FR GB GR LI LU NL SE

Bate of deferred publication of search report: 09.02.94 Bulletin 94/06 71 Applicant: FA.TA.R. s.n.c. di RAGNI Cav. LAURINO & F.IIi 8, Via Offagna I-62019 Recanati (MC) (IT)

(72) Inventor : Ragni, Lino 8, Via Offagna I-62019 Recanati (MC) (IT)

(4) Representative: Sneider, Massimo Studio Tecnico Lenzi, Via Lucania, 13 I-00187 Roma (IT)

- (54) Electric and/or electronic keyboards and, in particular, church organ keyboards.
- Beneath each key (6,7) and carried by the keyboard support (2) there is a basically round-shaped elastic or elasticized element (8), the base of which lies on the keyboard support (2), such a round-shaped surface, which may be achieved by hot-pressing a rubber sheet, and on top of which there is a collar the aim of which is to provide a certain resistance to the key, thus distributing the deformation resistance to the key, thus distributing the deformation caused by the pressed key over the entire surface of the round-shaped element. In other words, the top collar, under the effect of the pressed key, moves parallel to itself, thus causing the uniform deformation of the entire rubber element (8)

The keyboard support (2) consists of a board or plate (12) on which a layer of plastic material (11) is injected in such a manner as to cover the edges and the ends of the board or sheet, while leaving the middle parts uncovered, thus forming a sort of grid.



## **EUROPEAN SEARCH REPORT**

Application Number EP 92 83 0622

	DOCUMENTS CONSIDERED T	O BE RELEVAN	1		
Category	Citation of document with indication, when	re appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.5)	
Х	US-A-4 914 999 (MASUBUCHI E * column 38, line 66 - colu figure 43 *	T AL.) mn 39, line 52;	1-4	G10H1/34	
A	GB-A-2 112 197 (CASION COMP * page 1, line 88 - page 2, figures 1,1A,2,9 *		1-4		
P,X	GB-A-2 246 658 (SAMICK MUSI MFG CO LTD) * page 3, line 31 - page 4, figures 4-6 *		1-4		
				TECHNICAL FIELDS SEARCHED (Int.Cl.5) G10H	
X: par Y: par doc A: tec O: noi P: inte	The present search report has been drawn up	for all claims		Examiner	
		•			
***	THE HAGUE 2	6 November 1993	Pu	lluard, R	
CATEGORY OF CITED DOCUMENTS  X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background		E : earlier patent do after the filing d D : document cited i L : document cited f	T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons  &: member of the same patent family, corresponding document		
O : non-written disclosure P : intermediate document		&: member of the s			