



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
22.10.2003 Bulletin 2003/43

(51) Int Cl.7: **G10H 1/34, G10H 1/32**

(43) Date of publication A2:
13.11.2002 Bulletin 2002/46

(21) Application number: **02010401.4**

(22) Date of filing: **08.05.2002**

(84) Designated Contracting States:
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE TR
 Designated Extension States:
AL LT LV MK RO SI

(72) Inventor: **Nakada, Akira**
Tokyo 168-0073 (JP)

(74) Representative: **Hoffmann, Eckart, Dipl.-Ing.**
Patentanwalt,
Bahnhofstrasse 103
82166 Gräfelfing (DE)

(30) Priority: **08.05.2001 JP 2001137101**

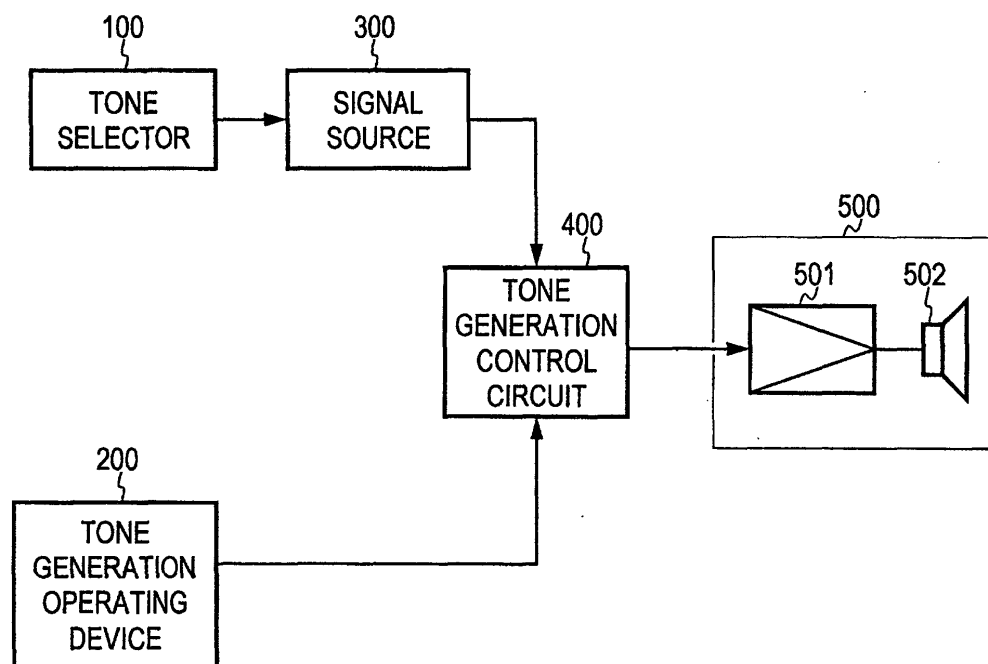
(71) Applicant: **Korg Inc.**
Tokyo 168-0073 (JP)

(54) **Tone generation operating device and electronic musical instrument using the same**

(57) A player selects a tone with his one hand (100) and performs a tone generating operation with the other

hand (200). The player electrically detects all operations with the other hand without using any tools and uses the detected signals as tone generation information.

FIG. 1





European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 02 01 0401

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	US 4 321 852 A (YOUNG JR LEROY D) 30 March 1982 (1982-03-30) * column 10, line 55 - line 68 * * column 11, line 54 - column 12, line 12 * * column 19, line 41 - line 68 * * column 17, line 64 - column 18, line 39 * * figures 10,27-31 *	1-4,9	G10H1/34 G10H1/32
A	---	10-32	
X	US 4 794 838 A (CORRIGAU III JAMES F) 3 January 1989 (1989-01-03) * column 3, line 53 - column 4, line 6 * * column 5, line 25 - column 6, line 26 * * figure 3 *	1,2,4,9	
X	US 5 085 120 A (ISHIGURO SHIRO) 4 February 1992 (1992-02-04) * column 3, line 23 - column 4, line 41; figures 1,3 *	1,2,4,7	
X	US 4 805 510 A (DE DIANOUS HERVE) 21 February 1989 (1989-02-21) * column 3, line 28 - column 4, line 30; figures 3A-3C *	1,2,8	TECHNICAL FIELDS SEARCHED (Int.Cl.7) G10H
X	US 4 658 690 A (DIXON MICHAEL S ET AL) 21 April 1987 (1987-04-21) * column 6, line 60 - column 8, line 14 * * column 9, line 22 - column 10, line 38 * * figures 4-7 *	1,4-6	
A	---	10-32	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 28 August 2003	Examiner Pulluard, R
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>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</p>			

EPO FORM 1503 03 82 (PdA/C01)



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 02 01 0401

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
A	US 5 227 575 A (MISHIMA JUNICHI) 13 July 1993 (1993-07-13) * column 3, line 4 - line 10 * * column 4, line 21 - line 59 * * figures 1,2,11A * -----	1-7	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 28 August 2003	Examiner Pulluard, 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 O : non-written disclosure P : intermediate document 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			

EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 02 01 0401

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

28-08-2003

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 4321852 A	30-03-1982	NONE	
US 4794838 A	03-01-1989	NONE	
US 5085120 A	04-02-1992	NONE	
US 4805510 A	21-02-1989	FR 2598017 A1 EP 0309632 A1 GR 3004750 T3 JP 63002095 A	30-10-1987 05-04-1989 28-04-1993 07-01-1988
US 4658690 A	21-04-1987	AU 2868184 A DK 12185 A EP 0125145 A1 WO 8404619 A1 JP 60501276 T NO 850063 A US 4726275 A	04-12-1984 10-01-1985 14-11-1984 22-11-1984 08-08-1985 07-01-1985 23-02-1988
US 5227575 A	13-07-1993	JP 2626132 B2 JP 3248195 A	02-07-1997 06-11-1991

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82