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G10H 1/38

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54 **Automatic composer.**

57 An automatic composer comprises an input device (I1, I3) which inputs part of a music piece and information on the progression of music such as a chord progression, an analyzer (F1) which extracts parameters characterizing the part of the music piece and an melody generator (F3) which develops

the whole music piece using the characteristic parameters and the chord progression. Therefore, the characteristics of the part of the music piece may be present everywhere in the music piece to a desired extent. The balance between consistency and variety in music is well controlled.

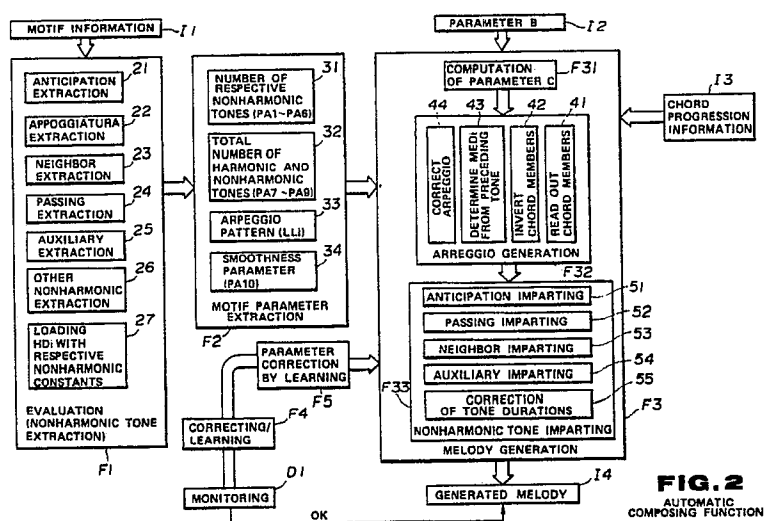


FIG. 2
 AUTOMATIC
 COMPOSING FUNCTION



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.4)
A	US-A-4 311 076 (RUCKTENWALD et al.) * Column 2, line 12 - column 3, line 12; column 3, lines 29-35; figure 1 * ---	1-4,8	G 10 H 1/00 G 10 H 1/36 G 10 H 1/38
A	US-A-3 610 801 (FREDKIN et al.) * Column 1, lines 33-39; column 3, line 34 - column 5, line 55; figures 1,2,3,4,5 * ---	1,4-6,36	
D,A	US-A-4 399 731 (AOKI) * Column 10, lines 32-67; column 22, lines 4-13; figures 1A,1B * ---	1,5,6,8,10,35,36	
P,A	FR-A-2 598 545 (DIGIGRAM S.A.) * Page 3, line 26 - page 7, line 35; figures 1,2 * -----	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			G 10 H
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 29-03-1990	Examiner PULLUARD R.J.P.A.
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			