Title (en)
Speech synthesizing apparatus.

Title (de)
Sprachsyntheseeinrichtung.

Title (fr)
Dispositif pour la synthèse de la parole.

Publication
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Application
**EP 84113148 A 19841031**

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Abstract (en)

A speech synthesizing apparatus including a periodic sound signal generator circuit (10) for generating a voiced sound signal synchronously with a clock pulse in accordance with pitch data corresponding to a speech to be synthesized; and a digital filter (1) for filter-processing the voiced sound signal generated from the periodic sound signal generator circuit (10) in accordance with synthesis parameters which are generated in correspondence to a speech to be synthesized. This periodic sound signal generator circuit (10) includes a memory (101) which has stored therein a predetermined number of sampling values within a predetermined time range of a continuous wave signal which is obtained by developing the voiced sound signal based on an interpolation function; and a processing unit (100, 102) for sequentially reading out the sampling values of the continuous wave signal within the predetermined time range that are synchronized with the pitch period represented by the input pitch data from the memory (101) in response to the clock pulse.

IPC 1-7
**G10L 9/18**

IPC 8 full level
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Citation (search report)
IEEE TRANSACTIONS ON ACOUSTICS, SPEECH, AND SIGNAL PROCESSING, Vol. ASSP-29, No. 6, December 1981, pages 1113-1116. NEW YORK, (US) W.T. HARTWELL et al.:"A pulse driving function generator for LDC synthesis of Voiced segments of speech". * Paragraph III: " Generation of noninteger pitch periods "; figures 1-4 *

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