Title (en)
Speech synthesizing apparatus.

Title (de)
Einrichtung zur Sprachsynthese.

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

Publication
EP 0107945 A1 19840509 (EN)

Application
EP 83306228 A 19831014

Priority
JP 18341082 A 19821019

Abstract (en)
A speech synthesizing apparatus is provided which comprises a phoneme converting circuit (14) for generating phoneme string data in accordance with an input character code string, segment files (10 and 12) in which consonant and vowel segment data are stored, a control circuit (16) for allowing the corresponding consonant and vowel segment data to be generated from these segment files (10 and 12) in accordance with the phoneme string data, and a synthesizing unit (18, 20, 22, 24, 26 and 28) for synthesizing speech signal on the basis of the consonant and vowel segment data from the segment files (10 and 12). A plurality of consonant characteristic parameter data respectively representative of a plurality of consonant segments each of which has a consonant portion and a transient segment which changes to a vowel segment, and a plurality of vowel characteristic parameter data respectively representative of a plurality of vowel segments are stored in the above segment files (10 and 12).

IPC 1-7
G10L 1/00

IPC 8 full level
G10L 13/06 (2013.01)

CPC (source: EP)
G10L 13/08 (2013.01)

Citation (search report)
- [X] EP 0058130 A2 19820818 - HERTZ INST HEINRICH [DE]
- [A] DE 2531006 A1 19770127 - DEUTSCHE BUNDESPOST, et al
- [A] US 3975587 A 19760817 - DUNN JAMES GRANT, et al
- [X] ICC '79 CONFERENCE RECORD (INTERNATIONAL CONFERENCE ON COMMUNICATIONS), vol. 3, 10th-14th June 1979, Boston, pages 39.4.1-39.4.5, New York, USA
- [A] ICASSP 81 (IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH AND SIGNAL PROCESSING), 30th,31st March, 1st April 1981, Atlanta, vol. 1, pages 110-113, IEEE, New York, USA
- [A] 1978 IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH & SIGNAL PROCESSING, 10th-12th April 1978, Tulsa, Oklahoma, pages 577-580, IEEE, New York, USA

Cited by
EP0144731A3; US5884260A; GB2185370A; GB2185370B; AU699837B2; US5978764A; WO9627870A1

Designated contracting state (EPC)
DE FR GB NL

DOCDB simple family (publication)
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EP 83306228 A 19831014; DE 3370390 T 19831014; JP 18341082 A 19821019