Title (en)
SPEECH PATTERN PROCESSING UTILIZING SPEECH PATTERN COMPRESSION.

Title (de)
SPRACHMUSTERVERARBEITUNG UNTER ANWENDUNG VON SPRACHMUSTEREINSCHRÄNKUNG.

Title (fr)
TRAITEMENT DE CONFIGURATIONS DE LA PAROLE UTILISANT UN PROCEDE DE COMPRESSION DE CONFIGURATIONS DE LA PAROLE.

Publication
EP 0138954 A4 19851107 (EN)

Application
EP 84901491 A 19840312

Priority
US 48423183 A 19830412

Abstract (en)
[origin: WO8404194A1] A speech pattern is compressed to a degree not previously attainable by analyzing the pattern to generate (210, 215, 275, 280) a sequence of signals representative of its acoustic feature at a first rate. Responsive to the acoustic feature feature signals, a sequence of speech event representative signals is generated (225, 275, 280). A sequence of coded signals corresponding to the speech pattern is formed (235, 275, 280) at rate less than said first rate responsive to the speech event representative signals.

IPC 1-7
G10L 9/14

IPC 8 full level
G10L 19/00 (2013.01)

CPC (source: EP)
G10L 19/00 (2013.01); G10L 19/0018 (2013.01)

Citation (search report)
- [X] IEEE TRANSACTIONS ON ACOUSTICS SPEECH AND SIGNAL PROCESSING, vol. ASSP-30, no. 5, October 1982, pages 770-780, IEEE, New York, US; D.Y. WONG et al.: "An 800 Bit/s vector quantization LPC vocoder"
- [X] ICASSP '81, IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH AND SIGNAL PROCESSING, vol. 2, 30th-31st March - 1st April 1981, Atlanta, Georgia, US, pages 804-807, IEEE, New York, US; P. MABILLEAU et al.: "Medium band speech coding using a dictionary of waveforms"
- [X] ICASSP '82, IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH AND SIGNAL PROCESSING, vol. 3, 3rd-5th May 1982, Paris, FR, pages 1565-1569, IEEE, New York, US; S. ROUCOS et al.: "Segment quantization for very-low-rate speech coding"
- [X] IEEE TRANSACTIONS ON COMMUNICATIONS, vol. COM-30, no. 4, April 1982, pages 674-686, IEEE, New York, US; V.R. VISWANATHAN et al.: "Variable frame rate transmission: a review of methodology and application to narrow-band LPC speech coding"
- [XP] ICASSP '83, IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH AND SIGNAL PROCESSING, vol. 1, 14th-16th April 1983, Boston, Massachusetts, US, pages 81-84, IEEE, New York, US; B.S. ATAL: "Efficient coding of LPC parameters by temporal decomposition"
- ICASSP '83, IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH AND SIGNAL PROCESSING, vol. 1, 14th-16th April 1983, Boston, Massachusetts, US, pages 81-84, IEEE, New York, US; B.S. ATAL: "Efficient coding of LPC parameters by temporal decomposition"

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
WO 8404194 A1 19841025; CA 1201533 A 19860304; DE 3474873 D1 19881201; EP 0138954 A1 19850502; EP 0138954 A4 19851107; EP 0138954 B1 19881026; JP 2648138 B2 19970827; JP S60501076 A 19850711

DOCDB simple family (application)
US 8400367 W 19840312; CA 449947 A 19840319; DE 3474873 T 19840312; EP 84901491 A 19840312; JP 50135784 A 19840312