

Title (en)

FRAME COMPARISON METHOD FOR WORD RECOGNITION IN HIGH NOISE ENVIRONMENTS.

Title (de)

RAHMENVERGLEICHsverfahren zur Worterkennung in einer Umgebung mit viel Lärm.

Title (fr)

PROCEDE DE COMPARAISON DE SEQUENCES POUR LA RECONNAISSANCE DE MOTS DANS DES ENVIRONNEMENTS A BRUIT AMBIANT ELEVE.

Publication

EP 0255529 A4 19880608 (EN)

Application

EP 87900768 A 19861229

Priority

US 81659886 A 19860106

Abstract (en)

[origin: WO8704294A1] Method and arrangement for a speech recognition system using channel bank information to represent speech. The method considers background noise included with the speech. The method includes determining three energy levels for each channel, the first representative of background noise energy (20), the second representative of the input frame energy (16) and the third representative of the word template frame energy (18). Values representing energy level differentials are assigned at each channel. If the second energy level is less than the first energy level, then a predetermined constant value is assigned at that particular channel. These values are combined to generate a distance measure depicting the similarity between the two frames.

IPC 1-7

G10L 5/00

IPC 8 full level

G10L 15/00 (2013.01); **G10L 15/20** (2006.01)

CPC (source: EP)

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Citation (search report)

- [X] GB 2137791 A 19841010 - SECR DEFENCE
- See references of WO 8704294A1

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