

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
17 October 2002 (17.10.2002)

PCT

(10) International Publication Number
WO 02/082033 A1

(51) International Patent Classification⁷: **G01L 15/20**

(21) International Application Number: PCT/US01/51435

(22) International Filing Date: 25 October 2001 (25.10.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
09/703,191 31 October 2000 (31.10.2000) US

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(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW.

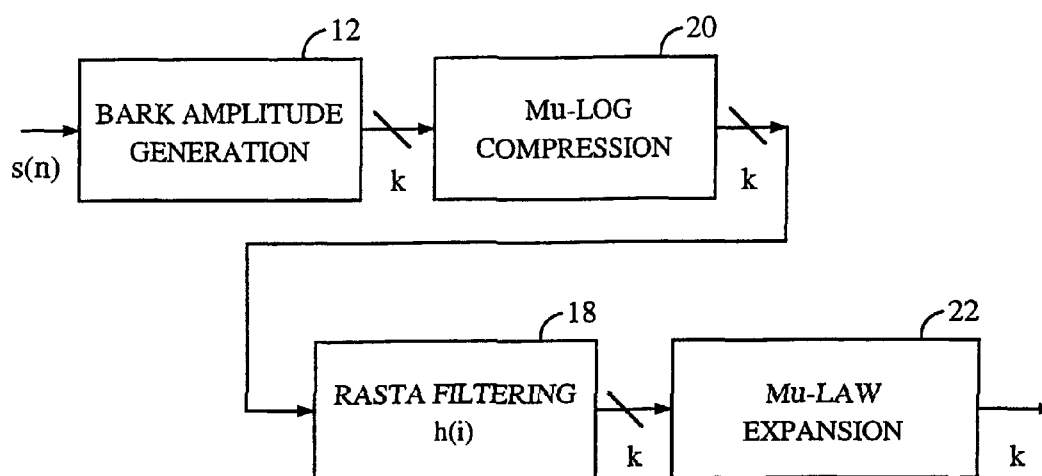
(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

[Continued on next page]

(54) Title: SYSTEM AND METHOD FOR IMPROVING VOICE RECOGNITION IN NOISY ENVIRONMENTS AND FREQUENCY MISMATCH CONDITIONS



**VR FRONTEND FOR DTW WITH
RASTA AND MU-LAW EXPANSION**

(57) Abstract: A method and system that improves voice recognition by improving the voice recognizer of a voice recognition system 10. Mu-law compression 20 of bark amplitudes is used to reduce the effect of additive noise and thus improve the accuracy of the voice recognition system. A-law compression 21 of bark amplitudes is used to improve the accuracy of the voice recognizer. Both mu-law compression 20 and mu-law expansion 22 can be used in the voice recognizer to improve the accuracy of the voice recognizer. Both A-law compression 21 and A-law expansion can be used in the voice recognizer to improve the accuracy of the voice recognizer.



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