

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
18 October 2007 (18.10.2007)

PCT

(10) International Publication Number  
WO 2007/117892 A3

- (51) **International Patent Classification:**  
G06F 15/18 (2006.01)
- (21) **International Application Number:**  
PCT/US2007/064443
- (22) **International Filing Date:** 20 March 2007 (20.03.2007)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**  
60/790,225 7 April 2006 (07.04.2006) US  
11/442,705 26 May 2006 (26.05.2006) US
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- (81) **Designated States (unless otherwise indicated, for every kind of national protection available):** AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
- (84) **Designated States (unless otherwise indicated, for every kind of regional protection available):** ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (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
- (88) **Date of publication of the international search report:**  
20 November 2008

(54) **Title:** TIME DIVERSITY VOICE CHANNEL DATA COMMUNICATIONS

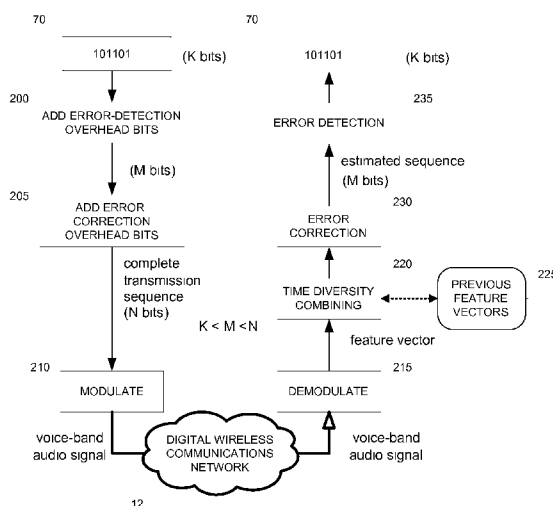


FIG. 3

(57) **Abstract:** A receiver (330) with a time diversity combining component (360) recovers a digital data signal (29) transmitted over a voice channel of a digital wireless telecommunications network. A feature extraction module (340) receives an audio frequency waveform encoding the digital data signal and generates a feature vector (405) representing the digital data signal. A bit sequence estimation module (350) analyzes the feature vector and generates an estimated bit sequence (410) corresponding to the digital data signal. A memory (225) stores the feature vector (435) if the estimated bit sequence contains errors (415). A time diversity combining component (360) generates a second estimated bit sequence (450) by analyzing the first feature vector in combination with one or more feature vectors stored in the memory.

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INTERNATIONAL SEARCH REPORT

International application No

PCT/US07/64443

**A CLASSIFICATION OF SUBJECT MATTER**  
 IPC G06F 15/18( 2006 01)

USPC 714/58  
 According to International Patent Classification (IPC) or to both national classification and IPC

**B FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
 U S 714/58,

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

**C DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X --- Y	US 5794 124 (Ito et al) 11 August 1998, Fig 1 and 4	1-2,4-13 ----- 3

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Date of the actual completion of the international search 01 September 2008 (01 09 2008)	Date of mailing of the international search report <b>15 SEP-, 2008</b>
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