

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
4 April 2002 (04.04.2002)

PCT

(10) International Publication Number
WO 02/028046 A3

- (51) International Patent Classification⁷: H04L 27/26
- (21) International Application Number: PCT/US01/26621
- (22) International Filing Date: 24 August 2001 (24.08.2001)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
09/670,286 25 September 2000 (25.09.2000) US
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denrich, Suite 1600, 4365 Executive Drive, San Diego, CA
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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:

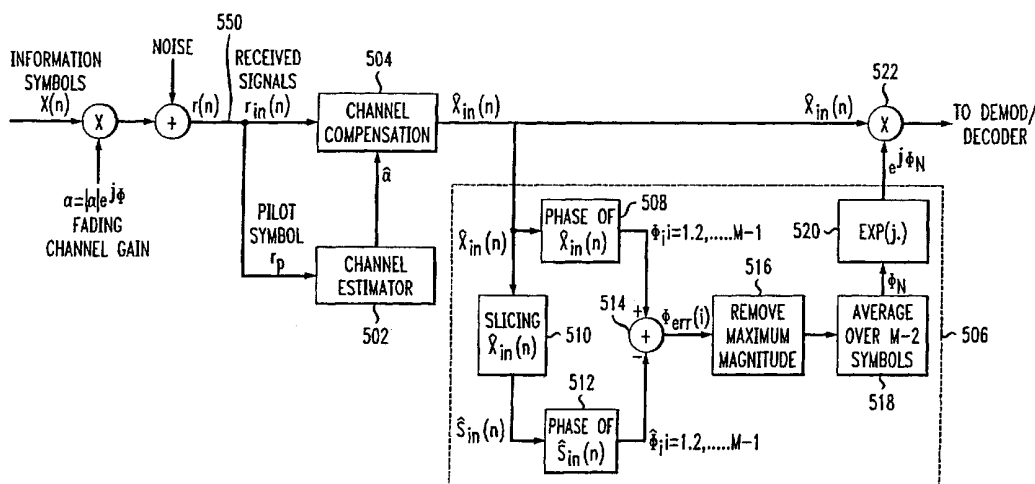
— with international search report

(88) Date of publication of the international search report:
4 July 2002

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: RESIDUAL PHASE ERROR REDUCTION IN OFDM

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(57) Abstract: Methods and apparatus for use in reducing residual phase error (RPE) in orthogonal frequency division multiplexed (OFDM) communication signals are described. One method includes the steps of calculating a phase of each one of a plurality of channel-compensated data symbols to generate a plurality of data symbol phases; performing a hard-decision on each one of the plurality of channel-compensated data symbols to estimate a plurality of information symbol phases; calculating a phase difference between each data symbol phase and its associated information symbol phase to generate a plurality of phase differences; and determining a residual phase error based on the plurality of phase differences.



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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 01/26621

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04L27/26

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)

IPC 7 H04L

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 practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	FR 2 721 778 A (TELEDIFFUSION FSE;FRANCE TELECOM) 29 December 1995 (1995-12-29) page 8, line 26 -page 9, line 2 page 10, line 21 - line 24 page 11, line 4 - line 8 page 11, line 13 - line 26 figures 1,3	1-21
A	EP 0 859 494 A (MATSUSHITA ELECTRIC IND CO LTD) 19 August 1998 (1998-08-19) page 8, line 6 - line 32 page 9, line 28 - line 30 figure 4	1-4, 6-14, 16-21

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the international search

18 March 2002

Date of mailing of the international search report

27/03/2002

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 01/26621

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			EP	0767996 A1	16-04-1997
			WO	9600472 A1	04-01-1996
EP 0859494	A	19-08-1998	EP	0859494 A2	19-08-1998
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