

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
13 January 2011 (13.01.2011)

(10) International Publication Number
WO 2011/005533 A3

(51) International Patent Classification:
H04L 25/03 (2006.01)

(21) International Application Number:
PCT/US2010/039522

(22) International Filing Date:
22 June 2010 (22.06.2010)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/219,308 22 June 2009 (22.06.2009) US
12/816,708 16 June 2010 (16.06.2010) US

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, 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, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, 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, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK,

[Continued on next page]

(54) Title: PRECODING CONTROL CHANNELS IN WIRELESS NETWORKS

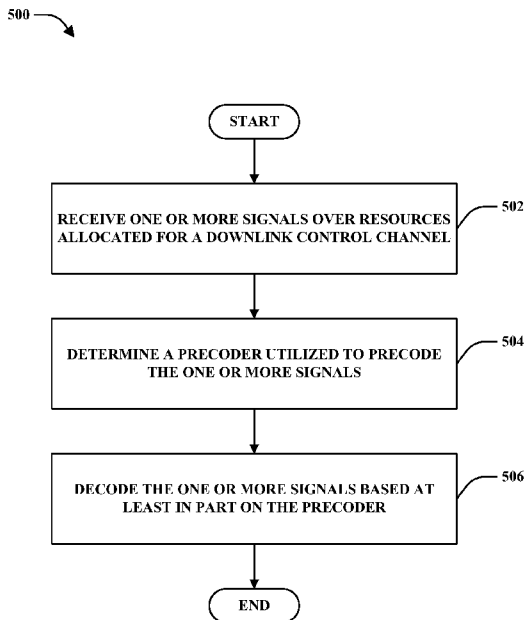


FIG. 5

(57) Abstract: Systems and methodologies are described that facilitate precoding signals transmitted over downlink control channels to provide transmit diversity. A dedicated reference signal (DRS) related to a wireless device can additionally be precoded such that the wireless device can determine a precoder or related parameters based at least in part on performing a channel estimate for the precoded DRS signal. The wireless device can utilize the determined precoder or related parameters to decode precoded signals received over downlink control channel resources. Additionally or alternatively, an access point can signal a sequence of precoders to the wireless device. The access point can cycle through the sequence of precoders to precode signals for transmission over downlink control channel resources, and the wireless device can decode the signals based at least in part on similarly cycling through the precoders for received signals.



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EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU,
LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK,
SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

- *with international search report (Art. 21(3))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

(88) Date of publication of the international search report:
21 April 2011

INTERNATIONAL SEARCH REPORT

International application No PCT/US2010/039522

A. CLASSIFICATION OF SUBJECT MATTER
 INV. H04L25/03
 ADD.

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)
 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, WPI Data, COMPENDEX, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2008/115588 A2 (INTERDIGITAL TECH CORP [US]; PAN KYLE JUNG-LIN [US]; GRIECO DONALD M []) 25 September 2008 (2008-09-25)	1-4, 8-11, 14-16, 18-20
Y	paragraph [0051]; figure 12	5-7,12, 13,17, 21,22
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Further documents are listed in the continuation of Box C.

See patent family annex.

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Date of the actual completion of the international search 15 February 2011	Date of mailing of the international search report 22/02/2011
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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer Barrientos Lezcano
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INTERNATIONAL SEARCH REPORT

International application No

PCT/US2010/039522

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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