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— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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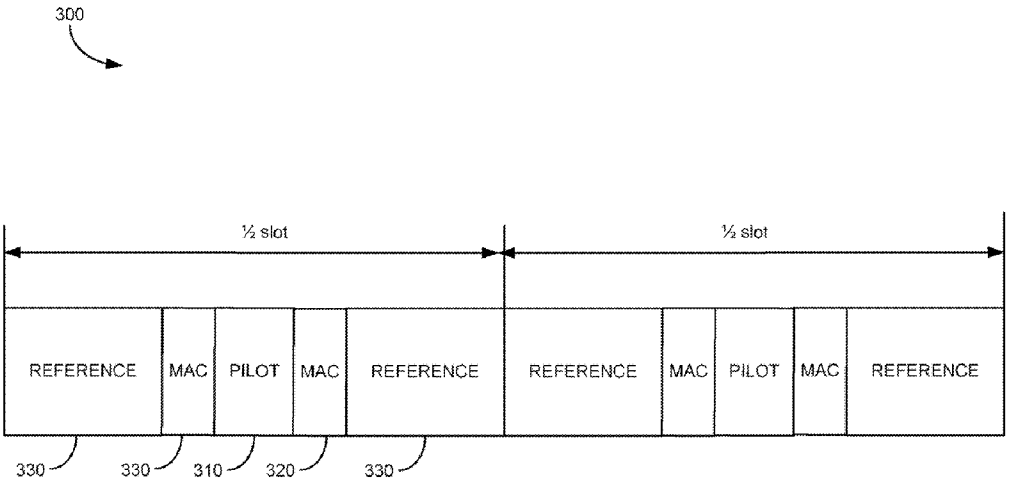
(54) Title: METHODS AND SYSTEMS FOR PROVIDING ENHANCED POSITION LOCATION IN WIRELESS COMMUNICATIONS



(57) Abstract: Embodiments disclosed herein relate to methods and systems for providing improved position-location (e.g., time-of-arrival) measurement and enhanced position location in wireless communication systems. In an embodiment, an access point may replace information (e.g., data) transmission by a "known" transmission (or "reference transmission") at a predetermined time known to access terminals in the corresponding sectors. The access terminals may use the received reference transmission to perform a position-location measurement, and report back the measured information. The access point may also send a reference transmission on demand, e.g., in response to a request from an access terminal in need for a location-based service.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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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)
H04Q G01S

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 1 505 742 A (NTT DOCOMO INC [JP]) 9 February 2005 (2005-02-09)	1-6,8,9, 11-13, 15-19, 21-27, 29-32
A	paragraphs [0001], [0005] paragraphs [0021], [0036], [0038] - [0040] paragraphs [0056] - [0061] paragraphs [0063], [0064], [0067], [0068], [0070], [0073] ----- -/--	7,10,14, 20,28

[X] Further documents are listed in the continuation of Box C.

[X] See patent family annex.

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Date of the actual completion of the international search	Date of mailing of the international search report
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Name and mailing address of the ISA/	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Biyee, Nicole

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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