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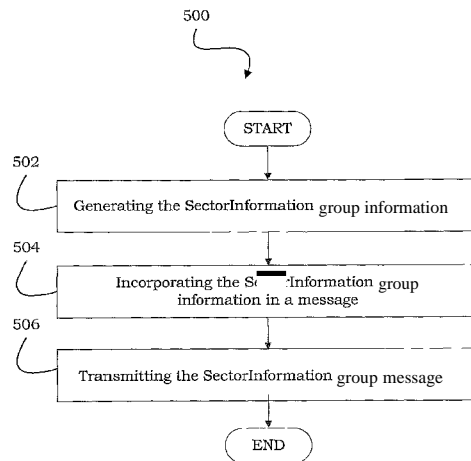
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(U))
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[Continued on next page]

(54) **Title:** A METHOD AND APPARATUS FOR TRANSMITTING AND RECEIVING A SECTOR INFORMATION GROUP INFORMATION IN WIRELESS COMMUNICATION SYSTEMS



(57) **Abstract:** A method and apparatus for generating and transmitting a SectorInformation group information in a wireless communication system are described. A SectorInformation group message comprising a 12 bit PilotPN field, a 2 bit CarrierID field, a 34 bit SystemTime field, a 16 bit SectorParametersSignature field, a 4 bit RLChannelTreeIndex field, a 4 bit RLSectorHopSeed field, a 1 bit RLIntraCellCommonHopping field, a 4 bit BFCHBeamCodeBookIndex field, a 1 bit RPICHEnabled field, a 2 bit RLDPISectorOffset field, a 1 bit RLDPISectorScramble field, a 2 bit RLNumSDMADimensions field, a 16 bit RLRestrictedSetBitmap field, a 1 bit RLNumSubbands field, a 1 bit RLDiversityHoppingMode field, a 3 bit NumRLControlSubbands field, a 1 bit HalfDuplexModeSupported field, a 4 bit ReverseLinkSilenceDuration field, a 4 bit ReverseLinkSilencePeriod field, a 6 bit TransmitPower field, a 4 bit CommonPilotPower field, a 4 bit AuxPilotPower field and a 4 bit PreamblePilotPower field is generated (502), included in a message (504), and transmitted (506) over a communication link.

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— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

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B. FIELDS SEARCHED

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 H04Q

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	3GPP2 c: "cdma2000 High Rate Packet Data Air Interface Specification; 3GPP2 C.S0024-A version 2.0," 3GPP2 CDMA2000, July 2005 (2005-07), page 0, 8-159 - 8-169, XP002427662 pages 8-159, paragraph 8.9.6.2.2 - pages 8-169, paragraph 8.9.6.2.2 -----	1-22
Y	GEORG R. FISHEL ET AL: "Proposed Enhancements to 802.16.1 MAC for 802.16.3 Applications, IEEE 802.16 Broadband Wireless Access Working Group" IEEE 802.16, 17 January 2001 (2001-01-17), pages 0-21, XP002427661 page 5, paragraph 5.1.5.1 - page 7, paragraph 5.1.5.1 ----- <div style="text-align: center; font-weight: bold; font-size: 1.2em;">V-</div>	1-22

Further documents are listed in the continuation of Box C

See patent family annex

<p>* Special categories of cited documents</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier document but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p>	<p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X¹" document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&¹" document member of the same patent family</p>
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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, Tx 31 651 epo nl, Fax (+31-70) 340-3016	Authorized officer <div style="text-align: center; font-weight: bold;">Ruschmann, Frank</div>
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International application No

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
P, X	<p>TOMCIK J ET AL: "QFDD and QTDD: Proposed Draft Air Interface Specification, chapter 6, Lower MAC Control Sublayer" IEEE C802.20-05/69, XX, XX, 28 October 2005 (2005-10-28), pages I-XXXI, l. XP002423447 pages 6-56, paragraph 6.5.5.4.1.3 pages 6-57, paragraph 6.5.5.4.2.3 pages 6-65, paragraph 6.5.6.3 - pages 6-69, paragraph 6.5.6.3 -----</p>	1-22