

Title (en)
EVOLVED NODE-B AND USER EQUIPMENT AND METHODS FOR GROUP SOUNDING IN FULL-DIMENSION MULTIPLE-INPUT MULTIPLE-OUTPUT SYSTEMS

Title (de)
EVOLVED-NODE-B UND BENUTZERGERÄT UND VERFAHREN ZUR GRUPPENSONDIERUNG IN VOLLDIMENSIONIERTEN MIMO-SYSTEMEN

Title (fr)
N UD B ÉVOLUÉ ET ÉQUIPEMENT UTILISATEUR, ET PROCÉDÉS DE SONDAGE DE GROUPE DANS DES SYSTÈMES À ENTRÉES MULTIPLES ET SORTIES MULTIPLES DE PLEINE DIMENSION

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Application
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Abstract (en)
[origin: WO2016077975A1] An Evolved Node-B (eNB) configured to support group sounding at a multiple-input multiple-output (MIMO) antenna array. The eNB may include hardware processing circuitry configured to transmit, for reception at multiple User Equipments (UEs), a physical downlink control channel (PDCCH) data block that includes a masked group SRS request. The hardware processing circuitry configured to receive a group SRS that includes a sum of an SRS from each of the multiple UEs during a group SRS transmission period and in group SRS frequency resources. The hardware processing circuitry may include one or more transceivers configured to be coupled to a multiple-input multiple-output (MIMO) antenna array that includes a grid of multiple antenna elements and the reception of the SRS from each of the multiple UEs may be performed at the MIMO antenna array.

IPC 8 full level
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Citation (search report)

- [IA] US 2012120864 A1 20120517 - MIYATA TAKEO [JP]
- [A] EP 2552169 A1 20130130 - CHINA ACADEMY OF TELECOMM TECH [CN]
- [A] US 2014003262 A1 20140102 - HE HONG [CN], et al
- [A] INTEL CORPORATION: "Potential performance improvement in FD-MIMO systems", vol. RAN WG1, no. Prague, Czech Republic; 20140210 - 20140214, 9 February 2014 (2014-02-09), XP050735690, Retrieved from the Internet <URL:http://www.3gpp.org/ftp/Meetings_3GPP_SYNC/RAN/RAN1/Docs/> [retrieved on 20140209]
- See references of WO 2016077975A1

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