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(54) Title: DETERMINATION OF PRACH OCCASIONS AND PUSCH OCCASIONS FOR 2-STEP RANDOM ACCESS

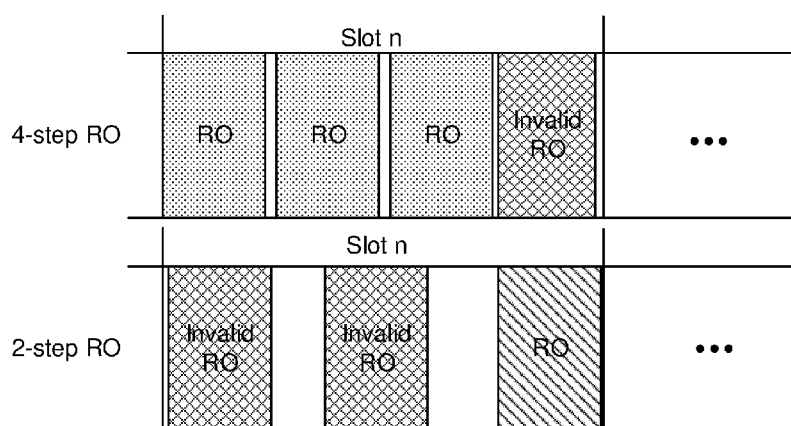


Figure 9

(57) Abstract: Operation in unlicensed spectrum requires Clear Channel Assessment (CCA), where a transmitter must monitor the channel before transmitting, to ensure it is free. An exception is a brief gap that allows for Rx/Tx turn-around, so that an ACK can be transmitted following reception, without performing a new CCA. NR introduces a 2-step Random Access (RA) procedure, where MsgA includes both a PRACH and a PUSCH transmission. To minimize CCA delays in unlicensed spectrum, only those RACH opportunities (ROs) and PUSCH opportunities (POs) that result in a very small delay between the PRACH and PUSCH transmissions of MsgA should be employed. RO configurations are defined for LTE 4-step RA. Embodiments provides methods for selecting which of these be may be shared for 2-step RA, for selecting which should be used in case of collisions, for selecting ROs and POs when the configurations are not shared, and for communicating RO configurations to UEs.



From the INTERNATIONAL BUREAU

PCTNOTIFICATION OF THE RECORDING
OF A CHANGE(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

To:

ERICSSON
Patent Development Torshamnsgatan 21-23
164 80 STOCKHOLM
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Date of mailing (<i>day/month/year</i>) 30 March 2022 (30.03.2022)		
Applicant's or agent's file reference P079181WO01	IMPORTANT NOTIFICATION	
International application No. PCT/EP2020/077747	International filing date (<i>day/month/year</i>) 02 October 2020 (02.10.2020)	

1. The following indications appeared on record concerning:

☐ the applicant
☒ the inventor
☐ the agent
☐ the common representative

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2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

☐ the person
☒ the name
☐ the address
☐ the nationality
☐ the residence

Name and Address HARRISON, Robert, Mark 3208 Walker Place GRAPEVINE, Texas 76051 UNITED STATES OF AMERICA	State of Nationality	State of Residence
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	E-mail address ☐ Notifications by e-mail authorized	

3. Further observations, if necessary:

4. A copy of this notification has been sent to:

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