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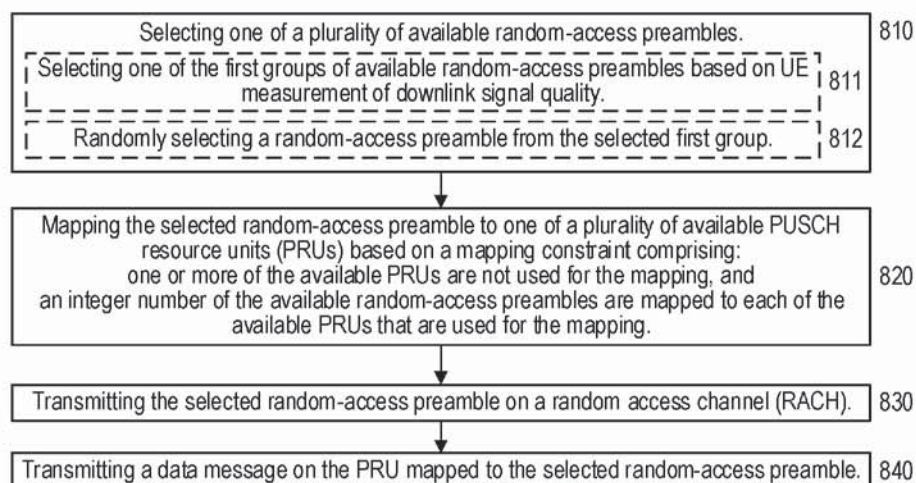


FIG. 8

(57) Abstract: Embodiments include methods for user equipment (UE) random access to a cell in a wireless network. Such methods include selecting one of a plurality of available random-access preambles and mapping the selected random-access preamble to one of a plurality of available physical uplink shared channel (PUSCH) resource units (PRUs) based on a mapping constraint. In the mapping constraint, one or more of the available PRUs are not used for the mapping and an integer number of the available random-access preambles are mapped to each of the available PRUs that are used for the mapping. Such methods also include transmitting the selected random-access preamble on a random access channel (RACH) and transmitting a data message on the PRU mapped to the selected random-access preamble. Other embodiments include complementary methods for a network node, as well as UEs and network nodes configured to perform such methods.

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From the INTERNATIONAL BUREAU

PCT**NOTIFICATION OF THE RECORDING
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Administrative Instructions, Section 422)

To:

BOU FAICAL, Roger
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1. The following indications appeared on record concerning: ☐ the applicant ☒ the inventor ☐ the agent ☐ the common representative			
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3. Further observations, if necessary:			
4. A copy of this notification has been sent to: ☒ the receiving Office ☒ the International Searching Authority ☐ the Authority(ies) specified for supplementary search ☐ the International Preliminary Examining Authority ☒ the designated Offices concerned ☐ the elected Offices concerned ☐ other:			
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland		Authorized officer Martinez Sandrine e-mail pct.team9@wipo.int Telephone No. +41 22 338 74 09	

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1. The following indications appeared on record concerning: ☐ the applicant ☒ the inventor ☐ the agent ☐ the common representative			
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