

Title (en)

SYSTEMS AND METHODS FOR OPTIMIZING MOBILITY ROBUSTNESS OF A TELECOMMUNICATION NETWORK

Title (de)

SYSTEME UND VERFAHREN ZUR OPTIMIERUNG DER MOBILITÄTSROBUSTHEIT EINES TELEKOMMUNIKATIONSNETZWERKS

Title (fr)

SYSTÈMES ET PROCÉDÉS POUR OPTIMISER LA ROBUSTESSE DE MOBILITÉ D'UN RÉSEAU DE TÉLÉCOMMUNICATION

Publication

**EP 4315929 A1 20240207 (EN)**

Application

**EP 22860734 A 20220823**

Priority

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Abstract (en)

[origin: WO2023026177A1] The present disclosure generally relates to wireless telecommunication networks, and more particularly relates to systems and methods for optimizing mobility robustness of a telecommunication network using an Open Radio Access Network (O-RAN). The system and method realize the Mobility Robustness Optimization (MRO) functionality of Self Organizing Networks (SON) in an O-RAN architecture and data collection interworking methods. The O-RAN architecture has two distinct entities called the Near-Real Time Radio Intelligent Controller (Near-RT RIC (210)) and the Non-Real Time Radio Intelligent Controller (Non-RT RIC (214A)) for a functional split for MRO and the related functional flows between the two entities. The system collects data to facilitate the MRO functional execution in the Near-RT RIC and Non-RT RIC entities.

IPC 8 full level

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