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(54) **EDGE AWARE DISTRIBUTED NETWORK**

(71) Applicant: **CONVIDA WIRELESS, LLC**, Wilmington, DE (US)

(72) Inventors: **Chonggang WANG**, Princeton, NJ (US); **Dale SEED**, Allentown, PA (US); **Xu LI**, Plainsboro, NJ (US); **Lu LIU**, Conshohocken, PA (US); **Michael STARSINIC**, Newtown, PA (US); **Hongkun LI**, Malvern, PA (US)

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(57) **ABSTRACT**

System and methods that improve the use of network functions on edge data networks are disclosed. A mechanism that supports edge-assisted UE context and trigger collection is described herein, where a UE can actively send its context information and/or any trigger (e.g. a request for a network function/service to be deployed in edge data networks, etc.) to an edge enabler server, which processes the received context and triggers from its UEs. The edge enabler server may also forward UE context and triggers to 5G core network (5GC) upon receiving a solicitation request from the 5GC, or if the 5GC has already made a subscription for getting notification on UE context and triggers. A network repository function is provided as a new network function collect, store, and manage edge data network information.

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