



(12) **United States Patent**  
**Luna**

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(54) **OPTIMIZATION OF MOBILE TRAFFIC  
DIRECTED TO PRIVATE NETWORKS AND  
OPERATOR CONFIGURABILITY THEREOF**

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(\*) Notice: Subject to any disclaimer, the term of this  
patent is extended or adjusted under 35  
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This patent is subject to a terminal dis-  
claimer.

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See application file for complete search history.

(57) **ABSTRACT**

Systems and methods for optimization of mobile traffic directed to private networks and operator configurability thereof are disclosed. One embodiment includes a method, which may be implemented on a system, for identifying a network accessed by mobile traffic at a mobile device, identifying an operator of the network, and/or determining whether the mobile traffic is directed towards a private or public network. In response to determining that the mobile traffic is directed towards a private network, determining whether the private network is owned by or operated by the operator. Optimization of the mobile traffic is performed based on policies set by the operator. In general, the system maintains and/or enforces different sets of policies regarding mobile traffic optimization set by different and multiple operators.

**16 Claims, 38 Drawing Sheets**

