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(54) **SYSTEMS AND METHODS FOR PROVIDING  
SECURE ACCESS TO A PRIVATE  
MULTIACCESS EDGE COMPUTING DEVICE  
VIA A MULTI-TENANCY ENVIRONMENT**

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**ABSTRACT**

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A device may receive and store credentials identifying security levels of users for access to functionalities of an on-premises device, and may receive a credential of a user and a request to access a functionality of the on-premises device. The device may determine whether a security level of the credential matches a first security level of the credentials, and may reject the request when the security level fails to match the first security level. The device may determine, when the security level matches the first security level, whether a computing resource of the on-premises device matches a computing resource of the first security level, and may provide the user with access to the computing resource when the computing resource matches the computing resource of the first security level. The device may reject the request when the computing resource fails to match the computing resource of the first security level.

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