

(54) **CLOUD-BASED SECURITY CONTROLS FOR MULTI-LEVEL HIERARCHAL EQUIPMENT ACCESS** (52) **U.S. Cl.**
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(57) **ABSTRACT**
In one embodiment, a device determines a hierarchy of layers of a network comprising a plurality of networking devices. The device configures, in response to a request by a client to access remotely a particular endpoint in the network, a proxy chain of remote access agents executed by a plurality of networking devices in the network to allow the client to access remotely the particular endpoint. Each of those networking devices proxies traffic between different layers of the hierarchy. The device determines an access policy for the particular endpoint indicative of which commands may be sent to the particular endpoint by the client, based in part on where the particular endpoint is in the hierarchy. The device controls, based on the access policy, whether a command sent by the client is transmitted via the proxy chain to the particular endpoint.

