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(54) **SYSTEMS AND METHODS FOR SIMULATING FAST FADING IN A WIRED TELECOMMUNICATIONS NETWORK**

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(57) **ABSTRACT**

One or more computing devices, systems, and/or methods are provided. A system includes a first user equipment (UE) module and a second UE module, a first base station (BS) module associated with the first UE module, and a second BS module associated with the second UE module. The first BS module is configured to send a first resource allocation map associated with the first UE module to the second BS module and at least one of the second UE module or the second BS module is configured to access a first fast fading table to determine a first fast fading parameter for the second UE module, generate a first interference metric based on the first resource allocation map and the first fast fading parameter, and modulate a data transmission between the second UE module and the second BS module based on the first interference metric.