

ABSTRACT**Apparatus And Methods For Moving Relay Interference Mitigation In Mobile e.g.
Cellular Communication Networks**

A system for multicarrier cellular communication in a cellular network including a multiplicity of nodes, the system comprising, at an individual moving relay from among the multiplicity of nodes, an rBS having downlink communication, according to a protocol, with UEs served thereby; and a co-located rRM (relay Resource Manager) having a controller; wherein the controller is operative to induce the rBS to generate a selective minimally interfered region in a domain and/or to coordinate between schedulers in the relay to ensure that each user has its own time and/or frequency such that channels do not overlap because time and/or frequency are shifted to prevent the overlap.

FIG. 4