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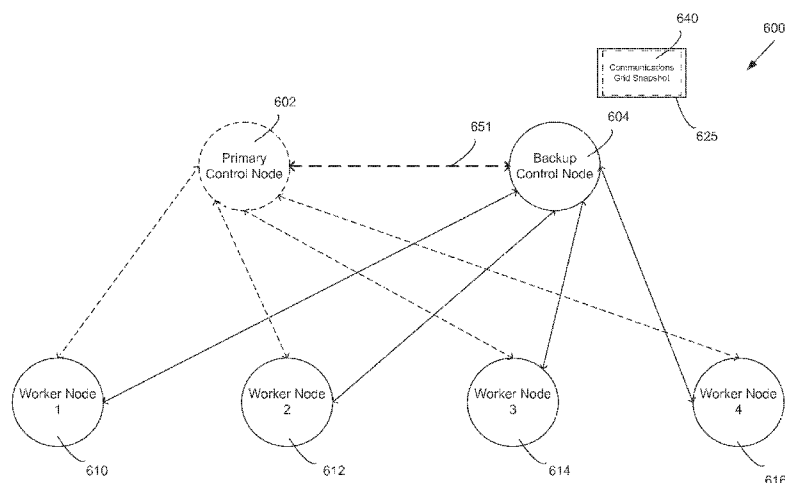


FIG. 6

(57) **Abstract:** Apparatuses, systems and methods are disclosed for tolerating fault in a communications grid. Specifically, various techniques and systems are provided for detecting a fault or failure by a node in a network of computer nodes in a communications grid, adjusting the grid to avoid grid failure, and taking action based on the failure. In an example, a system may include receiving grid status information at a backup control node, the grid status information including a project status, storing the grid status information within the backup control node, receiving a failure communication including an indication that a primary control node has failed, designating the backup control node as a new primary control node, receiving updated grid status information based on the indication that the primary control node has failed, and transmitting a set of instructions based on the updated grid status information.