

ABSTRACT OF THE DISCLOSURE

SYSTEM AND METHOD OF USING CHANNELIZATION IN A WIRELESS NETWORK

Various embodiments disclose a computer-implemented method for transmitting data between node devices in a mesh network comprising acquiring, by a first node device within the mesh network that supports a set of channel plans, a channel mask that specifies a set of channels that are available for a channel plan within an operating region associated with the mesh network, determining, based on the channel mask, a set of available channels supported by the first node device, selecting, from the set of available channels, at least one channel as a first preferred channel for data transmissions between the first node device and a second node device included in the mesh network, and configuring, based on the first preferred channel, a communication link between the first node device and the second node device.

FIG. 5