

## Abstract

### WiFi Sensing Mesh Network

A sensing system for monitoring a place comprising a plurality of mesh devices located in the place. Each mesh device comprises a transmitter component which, when activated, configures the mesh device as a transmitter, and a receiver component which, when activated, configures the mesh device as a receiver. At least two of the mesh devices have activated receiver components. Each mesh device having an activated receiver component is configured, by a configuration tool, to receive sensed data for processing from at least one other selected mesh device of the plurality of mesh devices. The selected mesh device having been selected by the configuration tool and having an activated transmitter component. The sensed data is generated from a wireless signal transmitted by the transmitter device and received by each receiver device over a wireless communication medium.

[Figure 1]