demodulating the data using one of at least two demodulator circuits each of which is capable of resonating with and demodulating data from a respective one of the carrier wavelengths; and

selecting which of the demodulator circuits will be used to demodulate the data in accordance with which of the at least two carrier wavelengths contains data.

58. An optical ~~communications system~~ communication method as in claim 57, further comprising receiving a command to select one of the demodulator circuits.

59. An optical ~~communications system~~ communication method as in claim 58, further comprising receiving the select command from a circuit which controls which of the carrier wavelengths contains data.