52. A method according to teaching 29 and also comprising:

providing a scheduler which is operative, for each individual time frame from among at least one time frames defined along a temporal axis, to allocate to the at least one data transmission, respective portions of a time-frequency region defined over the individual time frame,

and wherein the manipulating includes manipulating a derivative of the received signal so as to cause the scheduler to allocate the at least one data transmission such that the data transmission is more concentrated in a subset of frequency bands in which the spatial nulling device is more effective and is less concentrated in frequency bands which do not belong to the subset of frequency bands.

53. A method according to teaching 29 and also comprising:

providing a scheduler which is operative, for each individual time frame along a temporal axis, to allocate to the at least one data transmission, at least one respective portion of a time-frequency region defined over the individual time frame; and

adapting the spatial nulling device to the interference, the adapting comprising:

using the scheduler to reserve at least one empty sub-region within the time-frequency region by allocating only portions external to the sub-region to each of the data transmissions; and

configuring the spatial nulling device by deriving, from signal content in the empty sub-region, at least one interference-dependent parameter of the spatial nulling device's operation.

One teaching is the addition of a signal manipulator block inside an architecture of an (e.g. conventional) spatial interference cancellation system which may include conventional spatial nulling apparatus such as Fig. 5a item 104 in the above-referenced PCT publication. This apparatus may include a weights computation block such as Fig. 2 item 146 in the above-referenced PCT publication and/or may include an interference cancellation execution block e.g., by way of example, multiplexing and summation functionalities 144 and 148 in the above-referenced PCT publication. According to certain embodiments of the present invention, the spatial nulling means of the above-