What is claimed is:

1. A wireless communications system comprising:

a transmitter which selects one wireless channel among a plurality of wireless channels each having a different frequency from each other and transmitting a wireless signal through the selected wireless channel; and

a receiver which receives the wireless signal transmitted from the transmitter,

wherein the receiver comprises:

a signal strength detection unit which scans each of target wireless channels for a predetermined scan period by sequentially switching the target wireless channels and measures a signal strength thereof,

a storage unit for storing the signal strengths of the target wireless channels measured by the signal strength detection unit; and

a signal reception unit which preferentially receives a wireless signal on the wireless channel having a higher priority determined based on the order of the signal strength stored in the storage unit, among the target wireless channels

wherein, the wireless signal includes a destination address indicative of a receiver of destination, and the receiver sequentially switches the target wireless channels and receives the wireless signal on each of the wireless channels in the order of the signal strength until the destination address of the received wireless signal matches its own address.

~~2. The system of claim 1, wherein:~~

~~the wireless signal includes a destination address indicative of a receiver of destination, and~~

the receiver sequentially switches the target wireless channels and receives the wireless signal on each of the wireless channels in the order of the signal strength until the destination address of the received wireless signal matches its own address.

3. A wireless communications system comprising:

one or more transmitters each of which selects one wireless channel among a plurality of wireless channels each having a different frequency from each other and transmits a wireless signal through the selected wireless channel; and

a receiver which receives the wireless signal transmitted from the transmitter,

wherein the wireless signal includes a preamble in which a predetermined bit sync pattern is repeated, and data having an address for identifying a transmitter and a transmission information,

the receiver includes a synchronous bit detection unit which scans by sequentially switching the wireless channels in a predetermined scan period in a time division manner, and detects the bit sync pattern from each wireless channel, and a data reception unit which receives the data following the preamble when the bit sync pattern is detected,

the preamble has at least a total bit length of a bit length corresponding to one scan period and a bit length required to detect the bit sync pattern.

4. The system of claim 3, wherein:

the receiver includes a channel setting unit for setting the target wireless channels, and

the transmitter changes a length of the preamble in accordance with the

~~number of wireless channels set by the channel setting unit.~~

~~5. The system of claim 3 or 4, wherein:~~

~~the receiver further includes a priority setting unit for setting priorities for the target wireless channels, and~~

~~the synchronous bit detection unit sets the number of scans of the respective wireless channels during each scan period based on the priorities set for the respective wireless channels.~~

~~6. The system of claim 3 or 4, wherein:~~

~~the receiver further includes a priority setting unit for setting priorities for the target wireless channels, and~~

~~the synchronous bit detection unit sets the time for which the respective wireless channels are scanned during each scan period based on the priorities set for respective wireless channels.~~

~~7. The system of any one of claims 3 to 6, wherein:~~

~~the wireless signal includes a frame sync pattern having a bit pattern differing from that of the bit sync patterns which follows the bit sync pattern,~~

~~the receiver further includes a signal strength detection unit for detecting signal strengths of the target wireless channels and a frame detection unit for detecting the frame sync pattern, and~~

~~the wireless channels is scanned again when the frame sync pattern is not detected until a predetermined period of time is elapsed after detecting a signal strength of a predetermined strength or more by the signal strength detection unit.~~

~~8. The system of any one of claims 3 to 6, wherein:~~

~~the receiver further includes a signal strength detection unit for detecting signal strengths of the target wireless channels, and~~

~~if a signal strength of the receiving wireless channel, detected by the signal strength detection unit while the data reception unit is receiving the data, is less than a predetermined strength, scan of the target wireless channels is restarted while reception of the wireless signal is stopped.~~

~~9~~2. The system of ~~any one of~~ claims ~~1 to 8~~, wherein the wireless communications system is a remote meter-reading system and the wireless signal is a signal including remote meter reading information.