

Title (en)
AN INTEGRATED WIRELESS RECEIVER AND A WIRELESS RECEIVING METHOD THEREOF

Title (de)
INTEGRIERTER DRAHTLOSER EMPFÄNGER UND DRAHTLOSES EMPFANGSVORFAHREN DAFÜR

Title (fr)
RECEPTEUR SANS FIL INTEGRE ET PROCEDE DE RECEPTION SANS FIL CORRESPONDANT

Publication
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Application
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Abstract (en)
[origin: WO2006055821A2] A wireless receiver and a wireless receiving method are provided wherein a frequency of a radio frequency (RF) is down-converted into a frequency of a substantially zero intermediate frequency (IF) signal or a substantially low IF signal. The down-converted signal may be filtered by an integrated filter having a low quality factor and then up-converted again into a particular IF signal, thereby integrating an external element. For example, a receiving device may receive a RF signal in a required band. A frequency down-converting device may down-convert a frequency so that a center frequency of the RF signal becomes zero. A channel select filtering device may select a required channel from the signals whose frequency is down-converted. An IF signal converting device may up-convert a frequency of the channel selected signal into a required IF. An IF processing device may extract a baseband signal after the converted IF signal is inputted and processed. An amplifying device may amplify a signal with a gain required in a process of converting a frequency.

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