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ABSTRACT

METHOD OF OPTIMIZING THE MONITORING OR SCANNING OF SIGNALS BY A SENSOR

The invention relates to a method for determining parameters for monitoring a set of instantaneous analysis bands IAB, characterized in that it comprises the following steps:

- slicing the "surveillance plan" into L instantaneous analysis bands IAB_j,
- determining the duration of listening $T_{Objecti}$ and the revisit time $TR_{Objecti}$ for each of the objects to be monitored by using waveform and network access information which is associated with the objects to be monitored,
- determining the duration of listening T_j and the revisit time TR_j which is optimal for each of the said instantaneous bands IAB_j by using the values of $T_{Objecti}$ and of $TR_{Objecti}$,
- determining a temporal scheduling of M instantaneous analysis bands with M greater than or equal to L, so as to obtain a temporal sequence Tseq of the IABs which is adapted for satisfying the following points: the sequence comprises the set of L bands, the duration of the sequence T_{seq} is less than a duration T_{seqmax} .

Figure 3 to be published



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