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ABSTRACT

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

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The invention relates to a method for determining parameters for monitoring
a set of instantaneous analysis bands IAB, characterized in that it comprises
10 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
15 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 $TR_{Objecti}$,
- 20 • determining a temporal scheduling of M instantaneous analysis bands
with M greater than or equal to L, so as to obtain a temporal sequence
T_{seq} 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}.

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Figure 3 to be published



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