

DESCRIPTIVE ABSTRACT

METHOD FOR PATTERN RECOGNITION IN A PLURALITY OF SIGNALS

- 5 This invention relates to a method for pattern recognition in a plurality of received time signals of different types, the method comprises:
- /b/ for each received signal, creating (502) an asynchronous time signal (102, 103, 105, 106) comprising events;
- 10 /c/ for each created asynchronous signal (102, 103, 105, 106), creating (503) an activity profile ($S(p_1)$, $S(p_2)$, $S(p_3)$, $S(p_4)$) of said asynchronous signal which decreases as a function of the time elapsed since the last event (210, 212, 213, 214, 220, 221, 222) of said asynchronous signal;
- /d/ for a given time (t_0):
- 15 /d1/ determining (504) a context defined as the set of activity profiles of the created asynchronous signals,
- /d2/ determining (506) a standard context among predetermined standard contexts (505, 401, 402, 403, 404), having a minimum distance to the context determined in step /d1/,
- 20 /d3/ determining (508) the pattern (509) as a function of said determined standard context.

Figure 5b