

ABSTRACT**RADIO SYNCHRONIZATION FOR FREQUENCY-HOPPING SYSTEMS**

- 5 Method for synchronizing in a TDMA frequency-hopping ad-hoc telecommunications network in which slots comprising at least one dwell of set duration and a guard time at least equal to the maximum propagation time in the network are respectively reserved for the emissions of one particular piece of equipment of the network, comprising:
- 10 - a first step (401) of periodically allocating at least one slot (301) per piece of equipment of the network for the transmission of a beacon,
- a second step (402) in which said beacon is emitted,
- a third step (403) in which each first piece of equipment of the network estimates a time difference Δt from a start time of the slot and from an actual
- 15 reception time of said beacon, and
- a fourth step (404) in which the first piece of equipment of the network uses said time difference Δt for the reception of data slots sent by said second piece of equipment of the network.

20 Figure 4