

**TITLE OF THE INVENTION: METHOD, SYSTEM AND DEVICE FOR CLOCK
SYNCHRONIZATION IN HUMAN-MACHINE-ENVIRONMENT DATA
ACQUISITION AND MEDIUM**

ABSTRACT

Provided are a method, system and device for clock synchronization in human-machine-environment data acquisition and a medium. According to the method, after acquiring the first human-machine-environment data acquisition task initiated by the second device, the first device within the local area network performs message interaction with the second device, and calibrates an acquisition moment of the first human-machine-environment data using clock information of the second device as a calibration clock, thereby realizing clock synchronization between multiple devices within a local area network environment. Finally, after binding the first human-machine-environment data with the calibrated acquisition moment, the first device sends it to the second device. In this way, the second device can align the first human-machine-environment data with the second human-machine-environment data according to the calibrated acquisition moment, thereby aligning human-machine-environment data collected by different data collectors according to the calibration moment, and facilitating human factors and ergonomics analysis on factors such as humans, machines, human-machine interactions, and environments.

FIG. 4