

【ABSTRACT】

According to some embodiments of the present disclosure, there is provided a tap water and wastewater leakage detection system that includes pipeline monitoring modules installed at a specific pipeline, an upstream pipeline coupled to an upstream side of the specific pipeline, and a downstream pipeline coupled to a downstream side of the specific pipeline, respectively, and performing near field communication therebetween, in which at least one module of the pipeline monitoring modules transmits information sensed from the specific pipeline, the upstream pipeline, and the downstream pipeline to a management server through magnetic field communication.

Fig. 3