

[Title of Invention] FLOATING DEVICE FOR IN-PIPE
INSPECTION, IN-PIPE INSPECTION METHOD AND IN-PIPE
INSPECTION SYSTEM

ABSTRACT

[Abstract]

[Problem to be Solved]

To provide a floating device for in-pipe inspection capable of inspecting the inside of a sewer pipe accurately and efficiently in spite of its simplicity.

[Solution]

A floating device 1 for in-pipe inspection includes a light 120 for illuminating a pipe inside, a camera 130 for imaging at least the inner wall of the pipe inside and outputting image data, a timer 162 for outputting time data for associating position data of the floating device 1 for in-pipe inspection with the image data, an accelerometer 140 for measuring acceleration of the floating device 1 for in-pipe inspection and outputting acceleration data, a storage device 163 for storing time data, acceleration data, and image data, a casing 110 for accommodating these devices, and posture control means 200. The casing 110 has an imaging window 113 which is provided to correspond to at least a part of a view angle at which the camera 130 images, and the posture control means 200 controls the posture of a main body 100 of the floating device 1 for in-pipe inspection so that the

camera 130 and the imaging window 113 are kept above the water surface of sewage.

[Figure 3]