

Abstract

The invention relates to a monitoring system comprising a line guiding device (1; 41) with a movable section and at least one line (13) with a line section (130) to be monitored, guided by the
5 line guiding device (1; 41), and a monitoring device (10) with a first (200A) and a second (200B) module, which are provided in each case on both sides of the line section to be monitored.

According to the invention, the modules (200A, 200B) are designed to work together in order to determine, during operation, an
10 electrical transmission property of the line section (13A; 13B) with respect to a predetermined radio frequency (RF) signal. The first module (200A) comprises an RF generator, which is coupled to the line (13) to be monitored in order to couple a predetermined RF signal onto the line section (130) as test signal. The second
15 module (200B) has an RF receiver, which is coupled to the line to be monitored in order to couple the RF signal out of the line section (130), and is set up to evaluate properties of the received RF signal in order to determine at least one value relating to the transmission quality over the line section (130).

20 (Fig. 1)