ABSTRACT

Communication device for rail vehicle, rail vehicle equipped with said device

This communication device (5) comprises a wireless communication stage (30) to communicate with a beacon (15) in at least one communication channel of a spectral range subdivided into several predetermined channels. It further includes a protection stage (35) connected to a protection antenna (40), the protection antenna (40) being able to capture radio waves propagating in at least one car (27) of said rail vehicle (10), the protection stage (35) being able to detect the frequency of the waves captured by the protection antenna and, if said frequency belongs to said communication channel, to generate signals interfering with the communication channel, the protection antenna (40) also being able, from said interference signals, to radiate radio interference waves in said car (27).

Figure 1.