

Title (en)

METHOD FOR OPERATING A MOBILE DEVICE IN A RAILWAY SYSTEM, RAILWAY SYSTEM AND MOBILE DEVICE

Title (de)

VERFAHREN ZUM BETREIBEN EINES MOBILEN GERÄTES IN EINEM EISENBAHNSYSTEM, EISENBAHNSYSTEM UND MOBILES GERÄT

Title (fr)

PROCÉDÉ POUR FAIRE FONCTIONNER UN APPAREIL MOBILE DANS UN SYSTÈME FERROVIAIRE, SYSTÈME FERROVIAIRE ET APPAREIL MOBILE

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Application

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Abstract (en)

[origin: WO2014048714A2] The invention relates to a method for operating a mobile device (2) in a railway system with at least one optical waveguide (8) which is laid next to at least one railway track (1) and into which light pulses are fed, with the optical waveguide (8) being used as a distributed acoustic sensor, and scattered-back light is detected. In order to be able to identify reliably such a mobile device in a comparatively easy way, a mobile device (11) is used with a sound generator (11) which can be adjusted with respect to its frequency spectrum in a way which designates a device, and the sound generator (11) is adjusted with respect to its frequency spectrum in a way which designates a device by assigning a frequency selection (10) to the mobile device (11); an identification number signal (IS2) of the mobile device (2) is acquired by detecting the scattered-back light from the detected frequency selection (11). The invention also relates to a railway system and to a mobile device.

IPC 8 full level

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