

ABSTRACT

5 **Method for discriminating the presence of a railway vehicle on a block,
 method for calculating and implementing a safety interval**

10 The invention relates to a method for discriminating the presence of a vehicle (2)
on a block (6C) of a railway track (4), including the steps of:

- transmitting, from a computer (14) on-board the vehicle (2) to a ground-based
computer (12), a piece of information relating to the number of axles of the railway vehicle
(2);

15 - transmitting over time, by sensors on the track (8) associated with said block (6C)
and with blocks (6B, 6D) adjacent to said block (6C), to a ground-based computer (12), a
piece of information relating to the number of axles present in the corresponding block
(6B, 6C, 6D);

20 - discriminating with the ground-based computer (12) the presence of said vehicle
(2) on said block (6C) if the number of axles present on said block (6C) is equal to the
number of axles of said vehicle (2), and if the number of axles present on each of the
adjacent blocks (6B, 6D) is zero.

Fig. 2