

ABSTRACT**Rail vehicle with adjustable compensation brakes, associated braking method**

The railway vehicle (10) able to travel on rails (14) includes:

- wheels (26) in contact on the rail (14);
- braking means (30) inside the railway vehicle (10); and
- a mechanical compensation brake (32) including a moving part (60) able to come into contact with the rail (14) to apply a braking force.

The compensation brake (32) includes means (78) for regulating the braking force applied on the rail (14) as a function of the actual deceleration (γ_{mes}) of the railway vehicle (10), the regulating means (78) being able to apply intermediate braking forces to the compensation brake (32) comprised between extreme braking forces of the compensation brake (32).

Figure 2