

Title (en)  
Cooling braking resistors of a track bound vehicle

Title (de)  
Abkühlen von Bremswiderständen eines schienengebundenen Fahrzeugs

Title (fr)  
Résistances de frein de refroidissement d'un véhicule relié à des rails

Publication  
**EP 2308735 B1 20130814 (EN)**

Application  
**EP 09012623 A 20091006**

Priority  
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Abstract (en)  
[origin: EP2308735A1] The invention relates to an arrangement for cooling braking resistors (9; 19) by ventilating air, wherein the braking resistors (9; 19) are adapted to dissipate electric energy caused by braking a track bound vehicle, in particular a rail vehicle, into heat, wherein the arrangement comprises: - a radial fan (7; 17), - a plurality of braking resistors (9; 19) to be cooled, characterised in that - the fan (7; 17) is a radial fan (7; 17) adapted to deflect the air in different directions transverse to a rotating axis of the fan (7; 17), - the plurality of braking resistors (9; 19) are arranged in at least some of the different directions, - the rotating axis of the fan (7; 17) extends from top to bottom, or vice versa, so that, during operation of the arrangement, the cool air is guided from top to bottom to the fan (7; 17) and is deflected by the fan (7; 17) towards the plurality of the braking resistors (9; 19).

IPC 8 full level  
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Cited by  
US9815374B2; EP2845781A1; CN108223100A; CN105109499A; CN106218649A; US2016089983A1; EP3398826A1; FR3065936A1;  
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