

Title (en)  
WHEEL-MOUNTED BRAKE DISK FOR RAIL VEHICLES

Title (de)  
RADBREMSSCHEIBE FÜR SCHIENENFAHRZEUGE

Title (fr)  
DISQUE DE FREIN POUR VÉHICULES SUR RAILS

Publication  
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Application  
**EP 20726342 A 20200512**

Priority  
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Abstract (en)  
[origin: WO2020229483A2] A wheel-mounted brake disk (2) comprises at least two friction disks (2a, 2b), which are arranged on both sides of a web (10) of a wheel body (1) of a rail wheel and are fastened by means of through-screws (3). The at least two friction disks (2a, 2b) have cooling ribs (14, 14'; 16, 16'; 17, 17') and domes (9). The through-screws (3) extend through the domes (9) of both friction disks (2a, 2b) and through the web (10). Contact surfaces (9a) of the domes (9) and contact surfaces (14a, 14'a; 16a, 16'a; 17a, 17'a, 17b) of the cooling ribs (14, 14'; 16, 16'; 17, 17') protrude from respective rear sides (R) of the at least two friction disks (2a, 2b) at a first length and are in contact with contact surfaces (11) of the web (10) of the wheel body (1). End faces (14b, 14'b) of the cooling ribs (14, 14'), which are each arranged with a dome (9) in screwing sectors (20) of the at least two friction disks (2a, 2b), protrude from respective rear sides (R) of the at least two friction disks (2a, 2b) at a second length, the magnitude of which is less than the magnitude of the first length, at which the contact surfaces (9a) of the domes (9) and contact surfaces (14a, 14'a; 16a, 16'a; 17a, 17'a, 17b) of the cooling ribs (14, 14'; 16, 16'; 17, 17') protrude, the end faces (14b, 14'b) of the cooling ribs (14, 14') being arranged at a distance from the web (10).

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