

Ventilated Brake Disc Improving NVH Has Been Patented in Japan

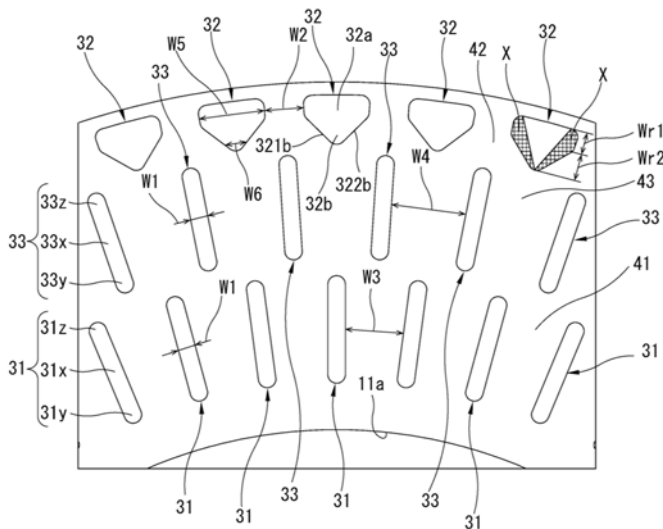
Along with the electrification of automobiles, brake disc rotors are required to be large in size but light in weight. Increasing size and decreasing weight of them cause high-potential risk of NVH problems, such as brake squeal and judder, to brake systems using those rotors. Increasing stiffness of their friction ring can lower the potential risk of NVH problems but increases weight. For increasing stiffness and reducing weight, KIRIU developed a new rib design of a ventilated brake disc, which has been patented in JAPAN.

1. Bibliography of Patent

Patent Number: JP 6825057
Title of the Invention: Ventilated Type Brake Disc Rotor
Date of Patent: Jan 15, 2021

2. Invented Rib Design of Ventilated Brake Disc

The outermost pentagon pillar ribs of a ventilated brake disc increase circumferential bending stiffness of its friction ring.



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