

Friction assembly for a disc brake system able to filter a gaseous phase resulting from the friction of a lining

ABSTRACT

A friction assembly for a brake system able to collect vapors resulting from the friction of a lining. The friction assembly (19A) for a disc brake system (19) comprises:

- a lining (22A, 22B) made of friction material, comprising a friction face (30A, 30B), an attachment face (32A, 32B) opposite the friction face (30A, 30B), and a collection groove (3A, 3B) that is open on the friction face (30A, 30B);
- a sole plate (20A, 20B), supporting the lining (22A, 22B), comprising a hole (17A, 17B);
- a negative pressure source (66) configured to create negative pressure in the collection groove (3A, 3B) and the hole (17A, 17B).

The friction assembly (19A) comprises a gas filtration device (64), in pneumatic communication with the collection groove (3A, 3B) and the hole (17A, 17B), able to collect gases resulting from friction of the lining (22A, 22B) and coming from the collection groove (3A, 3B).

FIGURE FOR ABSTRACT: Figure 2