

BRAKE PAD WITH PARTICLE AND DUST COLLECTION

ABSTRACT

The invention relates to a brake pad (10), the pad comprising a sole plate (1) with an outer face (14) and an inner face (13), and a lining (2) made of friction material fixed to the inner face (13), the lining being delimited by a friction face (26), an attachment face (20), an inner edge (23), an outer edge (24), a rear edge (21), a front edge (22), the lining being provided with at least one collection groove (3) that is open on the friction face (26) and is located at least in part near the rear edge (21), the sole plate comprising at least one suction hole (17) in fluid communication with the at least one collection groove (3), this hole (17) being connected to a negative pressure source via communication means. The at least one collection groove (3) is extended, at at least one of its ends, by a duct (90) of which the outer end (91) is open away from the friction face, via an inlet (911), and of which the inner end (92) is open in the at least one collection groove (3) via an outlet (922) which forms a cross-sectional jump with the groove (3) such that, during operation, a negative pressure exists between the inlet (911) and the collection groove (3) one on each side of the duct (90).

Figure 1