

Abstract

Title: Braking system with air blowing in the groove in the lining

The invention relates to a braking system comprising a brake pad (10), the pad
5 comprising a backing plate (1) with a first face (13) and a second face (14), and a
lining (2) made of friction material and fixed to the first face (13), the lining (2) being
delimited by a friction face (26), a mounting face (20), an inner edge (23), an outer
edge (24), a rear edge (21), and a front edge (22), the lining (2) being provided with
at least one collection groove (3) which is open to the friction face (26), and which
10 has an opening at its first end (31) towards the inner edge (23) and has an opening
at its second end (32) towards the outer edge (24). The braking system further
comprises a suction system which comprises a suction pipe (40) through which air
is sucked in, and a blow pipe (50) through which air is blown, the air inlet orifice (41)
of the suction pipe (40) being located opposite one end of the at least one groove
15 (3), selected among the first end (31) and the second end (32), and the air outlet
orifice (51) of the blow pipe (50) being located opposite the other end of the at least
one groove (3), selected among the first end (13) and the second end (32).

Figure 1