Claims

[Claim 1] A friction braking device (10) comprising a caliper (12), at least one pad (36) movable in translation along an axis (A) relative to the caliper (12), said at least one pad (36) being intended to cooperate with a brake disk, said at least one pad (36) comprising at least one particle suction region (48) that comprises a suction port (50), wherein the friction braking device (10) further comprises a suction pipe (90) attached to the caliper (12), the caliper (12) comprising a suction port (80) capable of being sealingly supported by the at least one pad (36) opposite the suction port (50) of said at least one pad (36), so as to connect said suction pipe (90) and said suction region (48) of the at least one pad (36).

[Claim 2] The friction braking device (10) as claimed in claim 1, wherein said suction port (50) of the at least one pad (36) has a diameter (D1) which is smaller than the diameter (D2) of the suction port (80) of the caliper (12).

[Claim 3] The friction braking device (10) as claimed in claim 1, wherein a first end part (81) of the suction port (80) of the caliper (12) comprises a substantially annular shoulder (82) which is shaped to receive said suction pipe (90).

[Claim 4] The friction braking device (10) as claimed in claim 1, wherein said suction pipe (90) is attached to the caliper (12) by at least one removable connecting member (96).

[Claim 5] The friction braking device as claimed in claim 1, wherein said suction pipe (90) is implemented in the continuation of a floating cast part (13B) of the caliper (12).

[Claim 6] The friction braking device (10) as claimed in claim 1, wherein the suction port (50) of the at least one pad (36) is included in a first face (42) of the at least one pad (36), the first face (42) of the at least one pad (36) being metallic and being sealingly supported by a first metallic face (58) of the caliper (12) into which the suction port (80) of the caliper (12) leads.

[Claim 7] The friction braking device (10) as claimed in claim 1, wherein the caliper (12) is a floating caliper capable of being axially displaced in translation relative to a caliper support, the at least one pad (16) comprising a first pad (16), called the inner pad, and a second pad (36), called the outer pad, the first pad (16) being actuated directly by a piston (14), the second pad (36) being actuated directly by a rear part (39) of the floating caliper (12), the cution pipe (90) being a second suction pipe capable of being connected to a particle suction region (48) of the second pad (36), the friction braking device (10) further comprising a first suction pipe (60) being capable of being connected to a particle suction region (28) of the first pad (16), and each of the particle suction regions (28, 48) of the first pad (16) and the second pad (36) respectively comprising a suction port (30, 50).

[Claim 8] A braking system comprising a brake disk and a friction braking device (10) as claimed in claim 1.