# Claims

**[Claim 1]** System for capturing (1) braking particles from a friction brake system (10), which comprises a vacuum source (20), a pneumatic circuit (30) that connects said friction brake system (10) to said vacuum source (20), and a current filter (40) located on said pneumatic circuit (30) and mounted on a support (41), characterized in that said capturing system (1) comprises a control unit (60) and an identification device (50) for identifying said filter (40), which is capable of sending at least one signal to said control unit (60), said signal comprising at least one current characteristic (40-A) of said current filter (40), said control unit (60) being capable of comparing said at least one current characteristic (40-A) with at least one reference characteristic (49-R) of a reference filter (49), and informing a user when said at least one current characteristic (40-A) and said at least one reference characteristic (49-R) are dissimilar.

**[Claim 2]** Capturing system (1) according to claim 1, wherein said current characteristic (40-A) of the current filter (40) is unique and the reference characteristic (49-R) of the reference filter (49) is unique.

**[Claim 3]** Capturing system (1) according to claim 1, wherein said current filter (40) has a plurality of N characteristics (40-A(1) - 40-A(n)) and there is a plurality of N reference characteristics (49-R(1) - 49-R(n)) where n is an integer between 2 and N, and said control unit (60) is capable of comparing each of the current characteristics (40-A(1) - 40-A(n)) with each of the reference characteristics (49-R(1) - 49-R(n)), two by two, and informing a user when, for at least one value of n, the current characteristic (40-A(1) - 40-A(n)) and the reference characteristic (49-R(1) - 49-R(n)) are dissimilar.

**[Claim 4]** Capturing system (1) according to any one of claims 1 to 3, wherein a portion (42) of said identification device (50) contains the at least one current characteristic (40-A) of the current filter (40), this portion (42) being carried by said current filter (40).

**[Claim 5]** Method for identifying a filter (40) in a system (1) for capturing braking particles from a friction brake system (10), this capturing system (1) comprising a vacuum source (20), a pneumatic circuit (30) that connects the friction

brake system (10) to the vacuum source (20), and a current filter (40) which is located on said pneumatic circuit (30) and which is mounted on a support (41), said method being characterized in that it comprises the following steps:

(a) A control unit (60) and an identification device (50) for identifying said current filter (40) are provided which are part of the capturing system (1);

(b) Said identification device (50) sends at least one signal to the control unit (60), this signal comprising at least one current characteristic (40-A) of said current filter (40);

(c) Said control unit (60) compares said at least one current characteristic (40-A) with at least one reference characteristic (49-R) of a reference filter (49), and informs a user when the at least one current characteristic (40-A) and the at least one reference characteristic (49-R) are dissimilar.